

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-A  
 EPA Studies or Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-1	Report, Technical Assistance Document Quality Assurance Guideline for Process Feed Rate Monitors in the Portland Cement and Lime Industries, EPA:EMS:ORD, Publication No. EPA-600/4-83-051, September 1983.
II-A-2	Report, Evaluation of Waste Combustion in a Dry-Process Cement Kiln at Lone Star Industries, Oglesby, Illinois, prepared by RTI and Engineering-Science, prepared for EPA:HWERL:ORD, December 1984.
II-A-3	Report, Operation and Maintenance Manual for Electrostatic Precipitators, Appendix A, EPA:AEERL, Publication No. EPA/625/1-85/017, January 1985.
II-A-4	Report, Portland Cement Plants—Background Information for Proposed Revisions to Standards, EPA:OAQPS, Publication No. EPA-450/3-85-003a, May 1985.
II-A-5	Project Summary, Investigation of the Formation of a Portland Cement Plant Detached Plume, EPA:ASRL, Publication No. EPA/600/S3-86/029, June 1986.
II-A-6	Project Summary, Lime and Cement Industry Particulate Emissions: Source Category Report, Volume II. Cement Industry, EPA:AEERL, Publication No. EPA/600/S7-87/007, May 1987.
II-A-7	Report, Portland Cement Plants—Background Information for Promulgated Revisions to Standards, EPA:OAQPS, Publication No. EPA-450/3-85-003b, July 1988.
II-A-8	Report, Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 update, EPA Risk Assessment Forum, Publication No. EPA/625/3-89/016, March 1989.
II-A-9	Report, Municipal Waste Combustors—Background Information for Proposed Standards: 111(b) Model Plant Description and Cost Report, EPA:OAQPS, Publication No. EPA-450/3-89-27b, August 1989.
II-A-10	Draft Report, Municipal Waste Combustion Multipollutant Study, Emission Test Report, Mass Burn Refractory Incineration, Montgomery County South, Ohio, Volume 1, Summary of Results, EPA:AEERL, Publication No. EPA-600/8-89-065a, August 1989.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-A  
 EPA Studies or Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-11	Report, Municipal Waste Combustors—Background Information for Proposed Standards: Post-Combustion Technology Performance, EPA:ISB, September 22, 1989.
II-A-12	Test Report, Emissions Testing of a Precalciner Cement Kiln at Louisville, Nebraska, EPA:OSW, November 1990.
II-A-13	Report, Emissions Testing of a Wet Cement Kiln at Hannibal, Missouri, EPA:OSW, December 1990.
II-A-14	Preliminary Draft Report, Documentation for Developing the Source Categories List, EPA:OAQPS, December 14, 1990.
II-A-15	Report, Markets for Scrap Tires, EPA:OSW, EPA/530-SW-90-074B, September 1991.
II-A-16	Report, Burning Tires for Fuel and Tire Pyrolysis: Air Implications, EPA:OAQPS, Publication No. EPA-450/3-91-024, December 1991.
II-A-17	Report, Medical Waste Incineration Emission Test Report, Borgess Medical Center, Kalamazoo, MI, Volume I, EPA:OAQPS: EMB Report 91-MWI-9, December 1991.
II-A-18	Final Report, Documentation for Developing the Initial Source Category List, EPA:OAQPS, Publication No. EPA-450/3-91-030, July 1992.
II-A-19	Report, Emission Test Report OMSS (Ogden Martin Systems of Stanislaus, Incorporated) Fields Test on Carbon Injection for Mercury Control, EPA:OAQPS, Publication No. EPA-600/R-92-192, September 1992.
II-A-20	Report, Final report—FTIR Technology Development at a Cement Facility, Entropy Environmentalists, Incorporated, April 1993.
II-A-21	Draft Report, Emission Factor Documentation for AP-42 Section 8.6, Portland Cement Manufacturing, July 30, 1993.
II-A-22	Draft Report, Portland Cement: A Profile, prepared for EPA:OAQPS, prepared by RTI, August 1993.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-A  
 EPA Studies or Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-23	Report, Emission Test Report Field Test of Carbon Injection for Mercury Control Camden County Municipal Waste Combustor, EPA:OAQPS, Publication No. EPA-600/R-93-181, September 1993.
II-A-24	Report, Report to Congress on Cement Kiln Dust, Volume II: Methods and Findings, EPA:OSW, December 1993.
II-A-25	Report, Alternative Control Techniques Document—NO <sub>x</sub> Emissions from Cement Manufacturing, EPA:OAQPS, Publication No. EPA-453/R-94-004, March 1994.
II-A-26	Report, Continuous Emission Monitoring Technology Survey for Incinerators, Boilers, and Industrial Furnaces, Part A: Final Report for Metals CEMs, prepared for EPA, prepared by Energy and Environmental Research Corporation, March 25, 1994.
II-A-27	Report, Continuous Emission Monitoring Technology Survey for Incinerators, Boilers, and Industrial Furnaces, Part B: Final Report for Particulate and Organic CEMs, prepared for EPA, prepared by Energy and Environmental Research Corporation, March 25, 1994.
II-A-28	Draft Report, Background Information Document: Pulp and Paper MACT Standard, Number 2743/650279, April 14, 1994, pp. 3-24 to 3-31.
II-A-29	Report, Mercury Control Technologies and Costing of Activated Carbon Injection for the Electric Utility Industry, prepared for EPA:OAQPS, prepared by RTI, April 29, 1994.
II-A-30	Draft Report, Combustion Emissions Technical Resource Document (CETRED), EPA:OSW, Publication No. EPA530-R-94-014, May 1994.
II-A-31	Report, Deposition of Air Pollutants to the Great Waters: First Report to Congress. EPA:OAQPS. Publication No. EPA-453/R-93-055, May 1994, pp. 18-21.
II-A-32	Report, Technical Support for Revision of the Hazardous Waste Combustion Regulations for Cement Kilns and Other Thermal Treatment Devices (Second Draft), prepared for EPA:OSW, prepared by Energy and Environmental Research Corporation, May 17, 1994.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-A  
EPA Studies or Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-33	Report, Technical Support for Revision of Hazardous Waste Combustion Regulations for Cement Kilns, Lightweight Aggregate Kilns, Commercial Hazardous Waste Incinerators, On-Site Hazardous Waste Incinerators and BIF's, prepared for EPA, prepared by Energy and Environmental Research Corporation, June 8, 1994.
II-A-34	Report, Cement and Lightweight Aggregate Kiln Major Sources, Second Draft, prepared for EPA:OSW, prepared by Energy and Environmental Research Corporation, June 22, 1994.
II-A-35	Report, Technical Feasibility of Meeting Low Particulate Matter Standards, prepared for EPA:OSW, prepared by Energy and Environmental Research Corporation, June 27, 1994.
II-A-36	Report, Medical waste incinerators – Background Information for Proposed Standards and Guidelines: Control Technology Performance Report for New and Existing Facilities, EPA:OAQPS, Publication No. EPA-453/R-94-044a, July 1994.
II-A-37	Project Summary, Pilot-Scale Evaluation of the Potential for Emissions of Hazardous Air Pollutants from Combustion of Tire-Derived Fuel, EPA:AEERL, Publication No. EPA/600/SR-94/070, July 1994.
II-A-38	Report, A Newsletter on EPA's Hazardous Waste Minimization and Combustion Activities, EPA:OSW, Publication No. EPA530-N-94-005, September 1994.
II-A-39	Report, Investigation of Continuous Emissions Monitors for Hazardous Air Pollutants, Task 3: Identify State-of-the-Art CEMS for Particulate Matter, Organic Compounds, and Acid Gases, prepared for EPA:OSW, prepared by Energy and Environment Research Corporation, September 30, 1994.
II-A-40	Final Test Report, Portland Cement Emission Test, Dragon Products Company Portland Cement Manufacturing Facility, Thomaston, Maine, prepared for EPA:EMB, prepared by Entropy, Incorporated, November 15, 1994.
II-A-41	Final Test Report, Portland Cement Emission Test: Holnam, Incorporated–Portland Cement Manufacturing Facility, Dundee, Michigan, November 15, 1994.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-A  
 EPA Studies or Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-42	Final Draft Test Report, Emissions Testing of Ash Grove Cement Company–Foreman, Arkansas Waste-Derived Fuel Facility Cement Kiln No. 3, Volume I, May 19, 1995.
II-A-43	Draft Report, Sections 2 and 7, Technical Support Document for HWC MACT Standards Volume II: HWC Emissions Database (Appendix A: Cement Kiln Detailed Data Listing), EPA:OSW, September 1995.
II-A-44	Draft Report, Technical Support Document for HWC MACT Standards, Volume V: Main Report, Engineering Costs, EPA:OSWER, February 1996.
II-A-45	Draft Test Report, Evaluation of MACT Control and Monitoring Technologies for Acid Gases, Organics, and Metals, Specifically Mercury at Lafarge Corporation–Fredonia, Kansas, prepared by Energy and Environmental Research Corporation, prepared for EPA:OSW, February 12, 1996.
II-A-46	Report, Economic Analysis of Air Pollution Regulations: Portland Cement, prepared by T. Fox and C. Randall, RTI, prepared for T. Walton, EPA:OAQPS:AQSSD:ISEG, July 1996.
II-A-47	Test Method, Fourier Transform Infrared (FTIR) Method Validation at a Coal-Fired Boiler, EPA, EPA Document No. 454R95004, July 1993.
II-A-48	Draft Test Report, Field Validation Test Using Fourier Transform Infrared (FTIR) Spectrometry to Measure Formaldehyde, Phenol and Methanol at a Wood Fiberglass Production Facility, prepared by Entropy, Incorporated for EPA:EMB, December 1994.
II-A-49	Test Report, Laboratory and Field Evaluation of a Methodology for Determination of Hydrogen Chloride Emissions from Municipal and Hazardous Waste Incinerators, prepared by S. Steinsberger, Entropy Environmentalists, and J. Margeson, EPA:AREAL, Publication No. EPA/600/3-89/064, April 1989.
II-A-50	Report, Evaluation of HCl Measurement Techniques at Municipal and Hazardous Waste Incinerators, prepared by S. Shanklin and S. Steinsberger, Entropy Environmentalists, and T. Logan and R. Rollins, EPA:AREAL, Publication No. EPA/600/D-90/031, November 1989.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-A  
EPA Studies or Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-51	OAQPS Control Cost Manual, 4 <sup>th</sup> ed., EPA:OAQPS, Publication No. EPA 450/3-90-006, January 1990.
II-A-52	Report, EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (Revised September 1993), EPA:AREAL, Publication No. EPA/600/R-93/224, December 1993.
II-A-53	Draft report, Particulate Matter CEMS Demonstration, Volume I: DuPont, Incorporated Experimental Station On-Site Incinerator, Wilmington, Delaware, prepared by EPA:OSWER, December 1997.
II-A-54	Report, New Source Performance Standards, Subpart Da – Technical Support for Proposed Revisions to NO <sub>x</sub> Standard, EPA:OAQPS, Publication No. EPA-453/R-94-012, June 1997

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-B  
 EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-1	Memorandum, C. Maxwell, Midwest Research Institute, to M. Clowers, EPA:ESED:ISB:SDS, June 25 1984, Site Visit - - Ideal Basic Industries, Incorporated (Holnam), on November 8, 1983.
II-B-2	Memorandum, C. Maxwell, Midwest Research Institute, to J. Eddinger, EPA:ESED:ISB:SDS, August 6, 1984, Model Facility Sizes and Exhaust Gas Characteristics, Review of NSPS for Portland Cement Industry (background information and approach used to determine model facility sizes and exhaust gas characteristics of model portland cement plant facilities).
II-B-3	Memorandum, G. Carter, A. Damle, and J. Portzer, RTI, to M. Johnson and W. Neuffer, EPA:OAQPS:ESD:ISB, March 26, 1992, Site Visit -- Blue Circle Cement, Incorporated, of South Carolina, on March 5, 1992.
II-B-4	Memorandum and attachments, J. Portzer, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, April 10, 1992, Status Report --Review of Emission Test Reports.
II-B-5	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, April 27, 1992, Proposed sites for screening test of FTIR system.
II-B-6	Memorandum and attachment, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, May 22, 1992, Summary of literature and docket review.
II-B-7	Memorandum, M. Benson and G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, June 12, 1992, Summary of state and local regulation survey.
II-B-8	Memorandum, M. Benson, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, July 15, 1992, Summary of identified HAP emissions.
II-B-9	Memorandum and attachment, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, July 20, 1992, Summary of emission test reports obtained from Midwest Research Institute for portland cement manufacturing facilities.
II-B-10	Memorandum, G. Carter, RTI, to File, August 4, 1992, Documentation for hazardous air pollutants listed in test request for Holnam, Incorporated, Holly Hill, South Carolina.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-B  
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-11	Memorandum, G. Carter, A. Damle, and J. Portzer, RTI, to M. Johnson and W. Neuffer, EPA:OAQPS:ESD:ISB, August 10, 1992, Trip report for Giant Cement Company on March 5, 1992.
II-B-12	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, September 21, 1992, Analysis of “Burning of Hazardous Waste in Boilers and Industrial Furnaces” (BIF) rule.
II-B-13	Memorandum, J. Portzer, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, October 23, 1992, Status Report—Qualitative review of ICR responses.
II-B-14	Memorandum, G. Carter, A. Damle, and J. Potzer, RTI, to M. Johnson and W. Neuffer, EPA:OAQPS:ESD:ISB, November 10, 1992, Trip report for Holnam, Incorporated, Holly Hill Plant on March 4, 1992.
II-B-15	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, December 22, 1992, Summary of responses to generic ICR.
II-B-16	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, December 23, 1992, Analysis of organic HAP’s from portland cement kiln emissions.
II-B-17	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 13, 1993, Information for briefing to Bruce Jordan, (List of non-metal HAP’s with emissions greater than 10 ton/yr).
II-B-18	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 13, 1993, Information for briefing to Bruce Jordan, (Analysis of potential MACT floor for particulate matter emissions).
II-B-19	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 13, 1993, Information for briefing to Bruce Jordan, (Listing of grain loading data for kilns and kiln by-passes).
II-B-20	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 14, 1993, Information on pre-APCD conditioning towers for briefing to Bruce Jordan, (Generic ICR database information on pre-APCD conditioning towers).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-B  
 EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-21	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 14, 1993, Information on pre-APCD conditioning towers (at two plants) for briefing to Bruce Jordan.
II-B-22	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 15, 1993, Information on number of facilities and kilns for briefing to Bruce Jordan.
II-B-23	Memorandum, J. Portzer, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 25, 1993, Basis for HCl and Cl <sub>2</sub> emission limits in BIF rule.
II-B-24	Memorandum, J. Portzer, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 25, 1993, NSPS/Grain Loading Relationship–Database Review.
II-B-25	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, January 27, 1993, Information on RMC Lonestar’s pre-APCD conditioning towers.
II-B-26	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, February 11, 1993, Count of the number of process units that are currently in operation.
II-B-27	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, February 16, 1993, Breakdown of types and number of control devices listed as “other” in memorandum dated February 11, 1993.
II-B-28	Memorandum, J. Portzer, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, March 9, 1993, Available data on HCl destruction/removal efficiency.
II-B-29	Memorandum and attachment, J. Crowder, EPA:OAQPS:ESD:ISB, to G. Wood, EPA:OAQPS:EMB, April 5, 1993, Emissions Test Request for Holnam Cement Manufacturing Facility, Dundee, Michigan, (Memorandum, G. Carter, RTI to M. Johnson, EPA:OAQPS:ESD:ISB, Request for Emissions Testing at Holnam, Incorporated, Dundee, Michigan, attached).
II-B-30	Memorandum and attachment, J. Crowder, EPA:OAQPS:ESD:ISB, to G. Wood, EPA:OAQPS:EMB, April 5, 1993, Emissions Test Request for Dragon Products Portland Cement Manufacturing Facility, Thomaston, Maine, (Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, Request for Emissions Testing at Dragon Products, Thomaston, Maine, attached).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-B  
 EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-31	Memorandum, M. Benson, RTI, to M. Johnson and J. Wood, EPA:OAQPS:ESD:ISB, April 13, 1993, Industry Profile for Cost and Economic Impact Section (CEIS).
II-B-32	Memorandum, J. Portzer, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, April 29, 1993, List of organic HAP's for source testing.
II-B-33	Memorandum, J. Portzer, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, May 5, 1993, PM and HAP emissions from miscellaneous "other" facilities at portland cement plants.
II-B-34	Memorandum, M. Benson, RTI, to M. Johnson and J. Wood, EPA:OAQPS:ESD:ISB, May 14, 1993, Final Site Visit Report—Dragon Products Company, Thomaston, Maine facility on February 18, 1993.
II-B-35	Memorandum, M. Benson, RTI, to M. Johnson and J. Wood, EPA:OAQPS:ESD:ISB, May 25, 1993, Final trip report for Holnam, Dundee plant.
II-B-36	Memorandum, M. Benson, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, June 21, 1993, Preliminary Assessment of Environmental Impacts, Regulatory Option A.
II-B-37	Memorandum, J. Portzer, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, July 13, 1993, Submission of third revision of model plant definition.
II-B-38	Memorandum, J. Portzer, RTI, to J. Wood, EPA:OAQPS:ESD:ISB, September 21, 1993, Pollution prevention opportunities.
II-B-39	Memorandum, G. Wood, EPA:OAQPS:EMB, to J. Crowder, EPA:OAQPS:ESD:ISB, September 28, 1993, Enhanced monitoring for Secondary Lead Smelters.
II-B-40	Memorandum, M. Toney, EPA:OAQPS:EMB, to J. Wood, EPA:OAQPS:ESD:ISB, October 25, 1993, Enhanced monitoring for portland cement.
II-B-41	Memorandum, J. Portzer, RTI, to J. Wood, EPA:OAQPS:ESD:ISB, November 30, 1993, Certificate of Compliance (COC) report data analysis.
II-B-42	Note, J. Wood, EPA:OAQPS:ESD:ISB, to K. Durkee, EPA:OAQPS:ESD:ISB, December 2, 1993, Summary of enhanced monitoring options and costs.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-B  
 EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-43	Memorandum, E. Heath, RTI, to W. Maxwell, EPA:OAQPS:ESD:ISB, January 13, 1994, Distribution of selected trace metals in the particulate phase (Electric Utility Project).
II-B-44	E-Mail Message, R. Segall, EPA, to C. Chin, EPA, February 3, 1994, Cost estimate for daily Method 9, (An E-mail-message from C. Chin, January 14, 1994, is attached).
II-B-45	Memorandum and attachment, J. Crowder, EPA:OAQPS:ESD, to G. Wood, EPA:OAQPS:EMB, March 14, 1994, Possible need for a revised test method to measure HCl emissions, (Attachment: Memorandum, T. Harrison, EPA:OAQPS:EMB:MCTS, to J. Wood, EPA:OAQPS:ESD:ISB, February 14, 1994, Ammonia chloride as an interferant in measurement of HCl).
II-B-46	Memorandum, T. Pierson, RTI, to T. Lahre, EPA:OAQPS, April 25, 1994, Summary of portland cement MACT data.
II-B-47	Memorandum, J. Wood, EPA:OAQPS:ESD:ISB, to K. Durkee, EPA:OAQPS:ESD:ISB, Survey of Holnam Portland Cement Company Plant (revised per Holnam October 18, 1994 comments), undated.
II-B-48	Memorandum, J. Wood, EPA:OAQPS:ESD:ISB, to K. Durkee, EPA:OAQPS:ESD:ISB, Survey of Southwestern Portland Cement Company Plant (revised per Southdown, Incorporated October 21, 1994 comments), undated.
II-B-49	Memorandum, D. Byrne, EPA:OAQPS:ESD:PATS to K. Durkee, EPA:OAQPS:ESD:SDS, November 4, 1994, Clarification of hydrochloric acid issue.
II-B-50	Memorandum, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, January 12, 1995, Mass balance calculations to determine cement kiln dust (CKD) purge rate required to achieve certain overall removal efficiency of mercury; Quantity of additional feed material required to replace purged CKD.
II-B-51	Memorandum, J. McSorley, EPA:EMC, thru J. Bosch, EPA:OAQPS:EMAD:SCG/B, to addressees, March 24, 1995, Status of PM CEMS.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-B  
 EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-52	Memorandum, J. Crowder, EPA:OAQPS:ESD:ISB, to R. Evans, EPA:OAQPS:AQSSD:ISEG, April 12, 1995, Cost inputs for Economic Impacts Analysis for the Portland Cement Industry NESHAP.
II-B-53	Memorandum, K. Stein, EPA:AED, to W. Spratlin, EPA:ARTD, June 12, 1995, Applicability of NSPS Subparts F and OOO at Portland Cement Plants.
II-B-54	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, July 6, 1995, Grain Loading Corresponding to the Clinker Cooler Particulate Matter Emission Limit.
II-B-55	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, August 23, 1995, Assignment of Existing Cement Kilns to Model Kilns by Type of Process.
II-B-56	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, August 23, 1995, Additional Cement Model Kilns and Clinker Coolers.
II-B-57	Memorandum, E. Heath, RTI, to J. Wood, EPA:ESD:MICG, September 21, 1995, Conversion of dioxin/furan toxic equivalent to total congener emissions for cement kilns.
II-B-58	Memorandum, S. Mathias, EPA:OAQPS:AQSSD:ISEG, to Portland Cement Project Team, October 5, 1995, Economic Impact Screening Analysis.
II-B-59	Note, J. Wood, EPA:OAQPS:ESD:MICG, to K. Durkee, EPA:OAQPS:ESD:ISB, November 27, 1995, Method for estimating cost of monitoring opacity from materials handling facilities at cement plants.
II-B-60	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, December 13, 1995, Proposed number of average materials handling facilities at a cement manufacturing plant.
II-B-61	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, January 19, 1996, Estimated costs for carbon injection (and carbon and water injection) with a polishing baghouse.
II-B-62	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, February 21, 1996, Emissions of particulate matter, metals, hydrogen chloride, and total hydrocarbons from cement kilns.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-B  
 EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-63	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, March 18, 1996, Dioxin/furan toxic equivalent emissions from cement kilns that do not burn hazardous waste.
II-B-64	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, March 18, 1996, Dioxin/furan toxic equivalent emissions from cement kilns that burn hazardous waste.
II-B-65	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, March 20, 1996, Mercury emissions from cement kilns.
II-B-66	Memorandum, F. Behan, EPA:Hazardous Waste Minimization and Management Division, to RCRA Docket No. F-96-RCSP-FFFFF, April 2, 1996, Preliminary results of mercury removal efficiency using activated carbon injection at a Lafarge Corporation cement kiln.
II-B-67	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, April 9, 1996, Summary of impacts of control options on model kilns and clinker coolers.
II-B-68	Note, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, May 24, 1996, Decision to not proceed with an area source finding for the portland cement manufacturing source category.
II-B-69	Note and attachments, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, May 24, 1996, Database of ICR responses for Portland Cement Industry MACT Standard.
II-B-70	Memorandum and attachment, M. Dusetzina, EPA:OAQPS:ESD:REAG, to J. Wood, EPA:OAQPS:ESD:MICG, July 29, 1996, Assessment of organics emitted from cement kilns.
II-B-71	Memorandum and attachment, M. Dusetzina, EPA:OAQPS:ESD:REAG, to J. Wood, EPA:OAQPS:ESD:MICG, July 29, 1996, Assessment of hydrogen chloride emitted from cement kilns.
II-B-72	Memorandum, M. Dusetzina, EPA:OAQPS:ESD:REAG, to J. Wood, EPA:OAQPS:ESD:MICG, July 29, 1996, Results of modeling cement kiln for Mercury and Dioxins.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-B  
 EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-73	Memorandum, E. Heath, RTI, to J. Wood, EPA:ESD:MICG, August 23, 1996, Number of wet and dry non-hazardous waste (NHW) kilns that could meet the NSPS PM limit and achieve a control device temperature below 400° F.
II-B-74	Memorandum, E. Heath, RTI, to J. Wood, EPA:ESD:MICG, September 13, 1996, Effects of water injection on air pollution control device performance.
II-B-75	Memorandum, E. Heath, RTI, to J. Wood, EPA:ESD:MICG, September 23, 1996, Available total hydrocarbon and organic hazardous air pollutant emissions data.
II-B-76	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, November 14, 1996, Emission calculations for preamble.
II-B-77	Memorandum, E. Heath, RTI, to J. Wood and K. Durkee, EPA:OAQPS:ESD:MICG, November 26, 1996, Summary table of national impacts for the Portland Cement MACT Standard.
II-B-78	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, February 25, 1997, Temperature Dependence of Dioxin/Furan Emissions.
II-B-79	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, January 27, 1997, Updated Printouts of the Costing Algorithms.
II-B-80	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, March 15, 1996, Number of NHW Kilns with Temperatures at the Inlet to the Control Device Below 400° F.
II-B-81	Memorandum, J. Crowder, EPA:OAQPS:ESD:MICG, to R. Evans, EPA:OAQPS:AQSSD:ISEG, January 29, 1996, Additional Engineering Inputs for Economic Impacts Analysis for the Portland Cement Industry NESHAP.
II-B-82	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, March 16, 1998, Summary of Portland Cement Docket Item II-A-1.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-1	Letter and attachments, J. Crowder, EPA:OAQPS:ESD:ISB, to M. Ward, Holnam Incorporated, February 20, 1992, Site visit confirmation for the Holly Hill, South Carolina facility.
II-C-2	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to V. Davis, Giant Portland Cement Company, February 20, 1992, Site visit confirmation for the Harleyville, South Carolina facility.
II-C-3	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to C. Middour, Blue Circle Cement Incorporated, February 20, 1992, Site visit confirmation for the Harleyville, South Carolina facility.
II-C-4	Letter and attachments, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Crolius, Portland Cement Association, May 14, 1992, Enclosing draft minutes of April 9, 1992 EPA/Portland Cement Association meeting, (For final meeting minutes, see II-E-16).
II-C-5	Letter and attachments, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Crolius, Portland Cement Association, May 15, 1992, Generic ICR for review, (For Generic ICR, see II-C-6).
II-C-6	Letter and attachments, B. Jordan, EPA:OAQPS:ESD, to D. Sweeney, Holnam Incorporated, June 18, 1992, Information Collection Request, (mailing list and ICR attached).
II-C-7	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to M. Clark, Glens Falls Cement Company, June 25, 1992, Letter correcting the name of the ICR recipient.
II-C-8	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to H. Winders, Continental Cement Company, June 25, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-9	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Barker, Giant Group Limited, June 29, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 25, 1992.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-10	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to V. Davis, Giant Cement Company, June 29, 1992, Draft trip report for the March 5, 1992 site visit to the Harleyville, South Carolina facility, (For final trip report, see II-B-11).
II-C-11	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to M. Ward, Holnam, Incorporated, June 29, 1992, Enclosing draft trip report for site visit, (For final trip report, see II-B-14).
II-C-12	Letter and attachment, J. Crowder, EPA:OAQPS:ESD:ISB, to K. Middour, Blue Circle Cement, Incorporated, June 29, 1992, Enclosing draft trip report for site visit, (Attached is a letter dated September 17, 1992 from J. Crowder to K. Middour enclosing a second copy of the draft trip report), (For final trip report, see II-B-3).
II-C-13	Letter and attachment, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Crolius, Portland Cement Association, June 30, 1992, Enclosing a copy of the revised Work Assignment Plan for the portland cement NESHAP.
II-C-14	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Crolius, Portland Cement Association, July 9, 1992, Enclosing final minutes for the April 9, 1992, meeting with EPA, (For final minutes see II-E-16).
II-C-15	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Turner, Independent Cement Corporation, July 14, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-16	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to L. Safian, Proskauer, Rose, Goetz & Mendelsohn, July 22, 1992, Letter confirming extension of the submittal date for Lone Star Industries ICR from August 10, 1992 to October 10, 1992.
II-C-17	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to E. Tiemeyer, Texas Industries, July 22, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 25, 1992.
II-C-18	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Nugent, RC Cement, July 22, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-C  
EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-19	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to J. Borcharding, Texas Lehigh Cement Company, July 27, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-20	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to K. Keegan, Illinois Cement Company, August 4, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-21	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Jolivet, San Juan Cement Company, August 4, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 31, 1992.
II-C-22	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to J. Grady, California Portland Cement, August 4, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-23	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Weiss, Lafarge Corporation Whitehall Plant, August 4, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 21, 1992.
II-C-24	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to S. Mejias, Puerto Rican Cement Company Incorporated, August 5, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 31, 1992.
II-C-25	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to P. Esteve, Mountain Cement Company, August 5, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-26	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Willis, Blue Circle Incorporated, August 5, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 31, 1992.
II-C-27	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to S. Pryor, North Texas Cement, August 5, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-28	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to J. Wheeler, Capitol Cement Division, August 5, 1992, Letter confirming receipt of ICR.
II-C-29	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to L. Singh, Nevada Cement Company, August 10, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 24, 1992.
II-C-30	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Willis, Blue Circle Cement Incorporated, August 12, 1992, Letter confirming receipt of ICR.
II-C-31	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to A. Kerr, Lafarge Corporation Joppa Plant, August 12, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-32	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to P. Smith, Allentown Cement Company, Incorporated, August 12, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 21, 1992.
II-C-33	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to S. Wallace, Dragon Products Company, August 12, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 31, 1992.
II-C-34	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Dusome, Calaveras Cement Tehachapi Plant, August 12, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-35	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to M. Smith, Lafarge Corporation, August 12, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 31, 1992.
II-C-36	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to C. Wright, RMC Lonestar, August 12, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-37	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to D. Barker, Giant Cement Company, August 12, 1992, Enclosing final trip report for the March 5, 1992 visit to the Harleyville, South Carolina facility, (For final trip report, see II-B-11).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-38	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Sweeney, Ash Grove Cement Company, August 13, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 21, 1992.
II-C-39	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to M. Harris, Lafarge Corporation Balcones Plant, August 13, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 10, 1992.
II-C-40	Letter, B. Jordan, EPA:OAQPS:ESD, to L. Ladomer, St. Marys Peerless Cement Company, August 17, 1992, Letter confirming that St. Marys Peerless Cement Company's facility does not manufacture cement and therefore is not subject to the NESHAP.
II-C-41	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to M. Luybli, Keystone Cement Company, August 19, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to September 25, 1992.
II-C-42	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Rakes, Roanoke Cement Company, August 19, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to October 10, 1992.
II-C-43	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Crolus, Portland Cement Association, August 19, 1992, Response to April 15, 1992 letter to K. Durkee, EPA:OAQPS:ESD:ISB.
II-C-44	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to M. Vardeman, Rinker Materials Corporation, August 21, 1992, Letter confirming extension of the submittal date for the ICR from August 10, 1992 to August 31, 1992.
II-C-45	Letter, B. Jordan, EPA:OAQPS:ESD, to T. Hinton, Boxcrow Cement Company, Limited Partnership, August 24, 1992, Letter confirming the receipt of ICR.
II-C-46	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Heintz, Southdown Incorporated, September 9, 1992, Enclosing two additional copies of the ICR for the company to complete.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-47	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to A. Redeker, Medusa Cement Company, September 9, 1992, Confirming extension of the submittal date for the ICR from August 10, 1992 to October 9, 1992.
II-C-48	Letter, B. Jordan, EPA:OAQPS:ESD, to E. Mikols, Lehigh Portland Cement, September 11, 1992, Setting a schedule for ICR submittals.
II-C-49	Letter, B. Jordan, EPA:OAQPS:ESD, to J. Coggins, Armstrong Cement & Supply Corporation, September 21, 1992, Confirming the receipt of ICRs, (Mailing list attached).
II-C-50	Letter and attachments, B. Jordan, EPA:OAQPS:ESD, to M. Sinclair, Adans for a Clean Environment, October 7, 1992, Confirming the receipt of emissions information on Holnam, Incorporated, portland cement manufacturing facilities.
II-C-51	Letter, B. Jordan, EPA:OAQPS:ESD, to T. Thornton, Holnam Incorporated, October 16, 1992, Confirming the receipt of ICR, (Mailing list attached).
II-C-52	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to K. Middour, Blue Circle Cement Incorporated, November 9, 1992, Enclosing final trip report for the March 5, 1992 visit to the Harleyville, South Carolina facility, (For final trip report, see II-B-3).
II-C-53	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to D. Anderson, Blue Circle Cement Incorporated, November 13, 1992, Emissions test request letter for the Harleyville, South Carolina facility.
II-C-54	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to M. Ward, Holnam Incorporated, November 16, 1992, Enclosing final trip report for the March 4, 1992 visit to the Holly Hill, South Carolina facility, (For final trip report, see II-B-14).
II-C-55	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to S. Bassler, Lafarge Corporation, November 17, 1992, Request for emissions information.
II-C-56	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Shumway, Mitsubishi Cement Corporation, November 17, 1992, Request for emissions information.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-57	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to R. Johnson, Lone Star Industries, December 1, 1992, Request for emissions information.
II-C-58	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to E. Kulesza, Riverside Cement Corporation, December 1, 1992, Request for emissions information.
II-C-59	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to D. Vance, Blue Circle Cement Incorporated, December 1, 1992, Request for emissions information.
II-C-60	Letter, B. Jordan, EPA:OAQPS:ESD, to R. Johnson, Lone Star Industries, Incorporated, December 4, 1992, Confirming the receipt of ICR, (Mailing list attached).
II-C-61	Letter, B. Jordan, EPA:OAQPS:ESD to H. Winders, Continental Cement Company, Hannibal, Missouri, February 1993, Notice of potential legal action available to EPA for Continental Cement Company's refusal to respond to an ICR.
II-C-62	Letter, B. Jordan, EPA:OAQPS:ESD, to H. Winders, Continental Cement Company, February 5, 1993, Letter emphasizing the need for return of the completed ICR.
II-C-63	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to S. Wallace, Dragon Products, February 11, 1993, Site visit confirmation for the Thomaston, Maine facility.
II-C-64	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to D.Lauer, Holnam Incorporated, February 25, 1993, Site visit confirmation for the Dundee, Michigan facility.
II-C-65	Letter and attachment, J. Rasnic, EPA:SSC, to E. Mikols, Lehigh Portland Cement Company, March 5, 1993, Enclosing copy of administrative order issued to Lehigh Portland Cement Company to comply with ICR request.
II-C-66	Letter and attachments, J. Wood, EPA:OAQPS:ESD:ISB:SDS, to R. Crolius, American Portland Cement Alliance, May 6, 1993, Draft meeting minutes to March 18, 1993 meeting with EPA.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-67	Letter and attachments, M. Johnson, EPA:OAQPS:ESD:ISB, to W. Galegar, City Manager's Committee, Ada, Oklahoma, April 1, 1993, Acknowledging receipt and referral to EPA:OSW of W. Galegar's letter of March 2, 1993, requesting technical information on the potential threats of burning BIF-classified hazardous waste as a fuel in cement kilns.
II-C-68	Letter and attachments, J. Wood, EPA:OAQPS:ESD:ISB, to R. Crolius, American Portland Cement Alliance, April 15, 1993, Enclosing two guidebooks entitled "Preparation and Review of Emission Test Reports," and "Preparation and Review of Site Specific Test Plans," and a list of process and air pollution control device operating parameters to be monitored and recorded during emissions testing, (For Guidebooks, see II-I-99).
II-C-69	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to S. Wallace, Dragon Products Company, Incorporated, April 15, 1993, Enclosing draft trip report for site visit, (For final trip report, see II-B-34).
II-C-70	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to D. Lauer, Holnam, Incorporated, Dundee, MI, April 15, 1993, Enclosing draft trip report for site visit, (For final trip report, see II-B-35).
II-C-71	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to S. Wallace, Dragon Products Company, Incorporated, May 19, 1993, Enclosing final trip report for the February 18, 1992 visit to the Thomaston, Maine facility, (For final trip report, see II-B-34).
II-C-72	Letter, J. Wood, EPA:OAQPS:ESD:ISB, to G. Morrison, Passamaquoddy Technology, Thomaston, Maine, May 27, 1993, Enclosing draft minutes of the April 1, 1993 meeting, (For final meeting minutes, see II-E-20).
II-C-73	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to D. Lauer, Holnam Incorporated, June 3, 1993, Enclosing final trip report for the March 11, 1992 visit to the Dundee, Michigan, (For final trip report, see II-B-35).
II-C-74	Letter, M. Toney, EPA:OAQPS:EMB, to M. Cawthray, Holnam Corp, June 15, 1993, Enclosing site-specific test plan for Dundee, Michigan facility, (For testing and site-specific details see the final test report in II-A-41).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-75	Letter, J. Eddinger, EPA:OAQPS:ESD:ISB, to C. Herman, Office of International Activities, June 30, 1993, Review of the World Bank Cement guidelines.
II-C-76	Letter, M. Johnson, EPA:OAQPS:ESD:ISB, to G. Morrison, Passamaquoddy Technology, Limited Partnership, June 30, 1993, Transmittal of final minutes of the April 1, 1993 meeting with EPA, (For final meeting minutes see II-E-20).
II-C-77	Letter, L. Lay, EPA:OAQPS:EMD, to M. Ward, Holnam Incorporated, August 3, 1993, Enclosing final report for the September 1992 FTIR screening test at the Holly Hill, South Carolina facility, (For final report, see II-A-20).
II-C-78	Letter and attachment, J. Wood, EPA:OAQPS:ESD:ISB:SDS, to S. Williams, Monsanto Enviro-Chem Systems, Incorporated, September 1, 1993, Enclosing draft minutes for the July 19, 1993 Monsanto Enviro-Chem's air pollution control technologies meeting with EPA, (For final minutes, see II-E-22).
II-C-79	Letter, K. Durkee, EPA:OAQPS:ESD:ISB, to B. Pulley, American Portland Cement Alliance, December 1, 1993, Clarification of hydrochloric acid issue.
II-C-80	Letter, J. Crowder, EPA:OAQPS:ESD:ISB, to D. Lauer, Holnam Incorporated, December 13, 1993, Draft chapter (on the process description and operation) from the emissions test report for the Dundee, Michigan facility.
II-C-81	Letter, J. Wood, EPA:OAQPS:ESD:ISB:SDS, to B. Pulley, American Portland Cement Alliance, January 3, 1994, Suggestions for consideration for APCA's development of a test program.
II-C-82	Letter, L. Lay, EPA:OAQPS:EMD, to M. Cawthray, Holnam Corp, March 15, 1994, Enclosing draft report for the FTIR screening test at the Dundee, Michigan facility for comment, (For Final Test Report, See II-A-41).
II-C-83	Letter, L. Lay, EPA:OAQPS:EMD, to S. Wallace, Dragon Products Company, March 16, 1994, Enclosing draft report for the FTIR screening test at the Thomaston, Maine facility for comment, (For Final Test Report, See II-A-40).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-84	Letter and attachment, J. Crowder, EPA:OAQPS:ESD:ISB, to A. Gill, Southdown, Incorporated, August 15, 1994, Site visit confirmation for the Lyons, Colorado facility. Attachment is a list of information to be gathered during the site visit.
II-C-85	Letter and attachment, J. Crowder, EPA:OAQPS:ESD:ISB, to W. Sansing, Holnam, Incorporated, August 15, 1994, Site visit confirmation for the Ft. Collins, Colorado facility. Attachment is a list of information to be gathered during the site visit.
II-C-86	Letter, S. Mathias, EPA:OAQPS:CEIS:SDB, to B. Teal, American Portland Cement Alliance, August 31, 1994, Enclosing several of the latest works-in-progress related to the Agency's economic impact analysis of the Portland Cement NESHAP.
II-C-87	Letter and attachments, J. Wood, EPA:OAQPS:ESD:ISB, to P. Tracy, American Portland Cement Alliance, October 27, 1994, Draft meeting minutes to October 4, 1994 meeting with EPA.
II-C-88	Letter and attachments, L. Lay, EPA:OAQPS:EMD, to S. Wallace, Dragon Products Company, December 12, 1994, Answers to questions about the FTIR screening test at the Thomaston, Maine facility and final FTIR screening test report for the facility, (For final report, see II-A-40).
II-C-89	Letter and attachments, L. Lay, EPA:OAQPS:EMD, to M. Cawthray, Holnam Corp, December 12, 1994, Answers to questions about the FTIR screening test at the Dundee, Michigan facility and final FTIR screening test report for the facility, (For final report, see II-A-41).
II-C-90	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to P. Tracy, American Portland Cement Alliance, December 22, 1994, Enclosing draft minutes of the December 12, 1994 meeting with EPA for comment.
II-C-91	Letter and attachment, B. Jordan, EPA:OAQPS:ESD, to M. Lusk, Cement Kiln Recycling Coalition, February 21, 1995, Response to a December 9, 1994 letter requesting a copy of the database of cement kiln dioxin emissions.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-92	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to A. Dougherty, Portland Cement Association, March 24, 1995, Enclosing draft minutes of the February 22, 1995 meeting with EPA, (For final meeting minutes, see II-E-34).
II-C-93	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to A. Dougherty, Portland Cement Association, June 6, 1995, Enclosing draft minutes of the May 4, 1995 meeting with EPA, (For final meeting minutes, see II-E-35).
II-C-94	Letter and attachments, J. Wood, EPA:OAQPS:ESD:MICG, to A. Dougherty, Portland Cement Association, June 26, 1995, Enclosing four draft technical support document chapters (Chapters 2, 3, 4, and 5) for comment, (Chapter 2: The Portland Cement Industry, Chapter 3: Control Technology and Performance of Controls, Chapter 4: Model Plants with Control and Enhanced Monitoring Options, and Chapter 5: Model Plant and Monitoring Option Impacts).
II-C-95	Letter and attachments, L. Lay, EPA:OAQPS:EMC, to A. Dougherty, Portland Cement Association, August 3, 1995, Comments on HCl FTIR Method.
II-C-96	Memorandum, E. Heath, RTI, to D. Sweeney, Ash Grove Cement and Dan Willis, Blue Circle Cement, September 1, 1995, Estimated average number of materials handling facilities at a cement plant.
II-C-97	Letter, L. Lay, EPA:OAQPS:EMC, to A. Dougherty, Portland Cement Association, September 9, 1995, Comments on the FTIR Protocols, "Measurement of Gaseous Hydrogen Chloride (HCl) Emissions at Portland Cement Kilns by FTIR Spectroscopy" and "Measurement of Gaseous Volatile Organic Compound (VOC) Emissions at Portland Cement Kilns by FTIR Spectroscopy," dated August 18, 1995.
II-C-98	Letter, M. Toney, EPA:OAQPS:EMC, to A. Dougherty, Portland Cement Association (PCA), September 11, 1995, Documenting EPA's concerns regarding the PCA's HAP test program.
II-C-99	Letter, J. Wood, EPA:OAQPS:ESD:MICG, to J. Lauber, New York Department of Environmental Conservation, October 10, 1995, Confirming the changes to presumptive MACT as agreed to at the October 3, 1995 meeting.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-C  
 EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-100	M. Toney, EPA:OAQPS:EMC, to M. Cawthray, Holnam Incorporated, October 13, 1995, Comments on Holnam's HAPs Testing Protocol and Quality Assurance Project Plan.
II-C-101	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to A. Dougherty, Portland Cement Association, January 25, 1996, Enclosing draft minutes of the November 8, 1995 meeting with EPA, (For final meeting minutes, see II-E-37).
II-C-102	Letter, M. Toney, EPA:OAQPS:EMC, to D. Brubaker, Independent Cement Corporation, February 6, 1996, Technical review of Independent Cement test plan, "Emission Test Plan for Measurement of HAPs from a Cement Kiln Firing Iron-rich Fines at Independent Cement Corporation."
II-C-103	Letter, J. Seitz, EPA:OAQPS to L. Doggett, House of Representatives, Washington, DC, June 5, 1996, Enclosing the following five reports: "Burning Tires for Fuel and Tire Pyrolysis: Air Implications," "Pilot Scale Evaluation of the Potential for Emissions of Hazardous Air Pollutants from Combustion of Tire-Derived Fuel," "Fact Sheet—New Municipal Waste Combustors—Subpart Eb Standards of Performance (1995)," "Fact Sheet—Existing Municipal Waste Combustors—Subpart Cb Emission Guidelines (1995)," and "Fact Sheet—Revised Technical Standards Proposed for Hazardous Waste Combustion Facilities—Subpart EEE Emission Standards (1996)."
II-C-104	Letter, J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, August 19, 1996, Enclosing the following four items: Two EPA memoranda entitled "Survey of Holnam Portland Cement Company Plant..." and "Survey of Southwestern Portland Cement Company Plant..." and two RTI memoranda entitled "Emissions of Particulate Matter, Metals..." and "Mercury Emissions from Cement Kilns."
II-C-105	Letter, J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, August 22, 1996, Enclosing meeting summary from July 9, 1996 meeting between U.S. Environmental Protection Agency, the Portland Cement Association, the American Portland Cement Alliance, and industry representatives, (For final meeting minutes, see II-E-39).

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-C  
EPA Correspondence To Outside Persons

<u>Document No.</u>	<u>Description</u>
II-C-106	Letter, J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, September 24, 1996, Enclosing meeting summary from August 13, 1996 meeting between U.S. Environmental Protection Agency, the Portland Cement Association, the American Portland Cement Alliance, and industry representatives, (For final meeting minutes, see II-E-40).
II-C-107	Letter, J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, November 27, 1996, Enclosing meeting summary for the October 29, 1996 meeting between the U.S. Environmental Protection Agency, the Portland Cement Association, the American Portland Cement Alliance, and industry representatives, (For final meeting minutes, see II-E-42).
II-C-108	Letter, M. Toney, EPA:OAQPS:EMC, to A. Dougherty, Portland Cement Association (PCA), March 25, 1996, Response to PCA letter dated March 11, 1996, (For PCA letter, see II-D-187).
II-C-109	Letter and attachments, J. Crowder, EPA:OAQPS:ESD:MICG, to M. Cawthray, Holnam Portland Cement Company, December 5, 1997, Requesting a pre-test survey of the Holnam plant in Midlothian, Texas, in December 1997.
II-C-110	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, January 26, 1998, Enclosing draft meeting summary for meeting on December 16, 1997 (For final meeting minutes, see II-E-43).
II-C-111	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to A. Dougherty, Portland Cement Association, March 5, 1998, Enclosing draft meeting summary (meeting held January 21, 1998) for comments.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-1	Test Report, Determination of Particulate Matter from 6-DC-20, 6-DC-40, and 6-DC-60 at Kaiser Cement Corporation, Cupertino, CA, March 16, 1990.
II-D-2	Test Report, Report of Air Pollution Source Testing for California AB2588 at RMC Lonestar Cement Company, Davenport, CA, August 3, 1990.
II-D-3	Test Report, Summary of Particulate Matter, Volatile Organic Compounds, Semi-Volatile Organic Compounds, Furans and Dioxins, Sulfur Dioxide, Nitrogen Oxides, Metals and Visible Emission Measurements, Central Power and Lime, Incorporated, Brooksville, Florida, September 18-24, 1990.
II-D-4	Test Report, EPA Emissions Compliance Tests for Modified Method 5 Particulates and Metals on Emissions from Ash Grove Cement Company's Main Stack located in Durkee, Oregon, August 13 and 14, 1991 (test dates).
II-D-5	Test report, Source Emissions Survey of Boxcrow Cement Company Kiln Stack, Midlothian, TX, October 1991.
II-D-6	Letter and attachment, D. Raymond, Environmental Toxicology International, Incorporated, to G. Carter, RTI, March 17, 1992, Enclosing report entitled, All Fired Up: Burning Hazardous Waste in Cement Kilns, E. Mantus, ed., Environmental Toxicology International, Incorporated, 1992.
II-D-7	Letter and attachment, C. Guth, Portland Cement Association, to M. Johnson, EPA:OAQPS:ESD:ISB, April 13, 1992, Enclosing copy of the December 31, 1990 edition of the "U.S. and Canadian Portland Cement Industry: Plant Information Summary."
II-D-8	Letter, R. Crolius, Portland Cement Association, to M. Johnson, EPA:OAQPS:ESD:ISB, May 22, 1992, Regarding comments of members on HAPS survey.
II-D-9	Letter, R. Crolius, PCA, to M. Johnson, EPA:OAQPS:ESD:ISB, May 26, 1992, List of corporate contacts.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-10	Letter, L. Safian, Proskauer Rose Goetz & Mendelsohn, to M. Johnson, EPA:OAQPS:ESD:ISB, July 20, 1992, Requesting additional 60 days for Lone Star Industries to respond to ICR request.
II-D-11	Letter and attachments, D. Novello, Freedman, Levy, Kroll & Simonds, to W. Neuffer, EPA:ISB, July 21, 1992, Enclosing diagrams showing how cement is manufactured and how the mid-kiln solid fuel charging apparatus works.
II-D-12	Letter and attachment, D. Barker, Giant Cement Company, to J. Crowder, EPA:OAQPS:ESD:ISB, July 27, 1992, Comments on EPA's Trip Report of March 5, 1992 Visit to Giant Cement, Harleyville, South Carolina and Emissions Test Results Obtained in January 1991 and July 1991, (For final trip report, see II-B-11).
II-D-13	Letter and attachment, J. Wheeler, Capitol Cement, to B. Jordan, EPA:OAQPS:ESD, July 29, 1992, ICR response.
II-D-14	Letter and attachment, R. Owens, The Monarch Cement Company, to B. Jordan, EPA:OAQPS:ESD, July 31, 1992, ICR response for Humboldt Plant.
II-D-15	Prairie Material, Dixon–Marquette Cement, August 1992, ICR response (no letter attached).
II-D-16	Medusa Corporation, Medusa–Wampum, PA, August 1992, ICR response (no letter attached).
II-D-17	The Monarch Cement Company, August 1992, ICR response for Des Moines Plant (no letter attached).
II-D-18	Letter and attachment, C. Kellett, National Cement Company of California, Incorporated, Lebec Cement Plant, to B. Jordan, EPA:OAQPS:ESD, August 3, 1992, ICR response.
II-D-19	Letter, D. Sweeney, Ash Grove Cement Company, to M. Johnson, EPA:OAQPS:ESD:ISB, August 4, 1992, Requesting additional time to submit ICR response.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-D  
EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-20	Letter and attachment, D. Willis, Blue Circle Cement, Incorporated, to B. Jordan, EPA:OAQPS:ESD, August 4, 1992, ICR response for Atlanta, Georgia Plant.
II-D-21	Letter and attachment, D. Willis, Blue Circle Cement, Incorporated, to B. Jordan, EPA:OAQPS:ESD, August 4, 1992, ICR response for Harleyville, South Carolina Plant.
II-D-22	Letter and attachment, D. Willis, Blue Circle Cement, Incorporated, to B. Jordan, EPA:OAQPS:ESD, August 4, 1992, ICR response for Ravena, New York Plant.
II-D-23	Letter and attachment, D. Willis, Blue Circle Cement, Incorporated, to B. Jordan, EPA:OAQPS:ESD, August 4, 1992, ICR response for Tulsa, Oklahoma Plant.
II-D-24	Letter and attachment, T. Hinton, BoxCrow Cement Company, Limited Partnership, to B. Jordan, EPA:OAQPS:ESD, August 4, 1992, ICR response for Midlothian, Texas Plant.
II-D-25	Letter and attachment, R. Moss, Glens Falls Cement Company, Incorporated, to B. Jordan, EPA:OAQPS:ESD, August 4, 1992, ICR response.
II-D-26	Letter and attachment, W. Wallace, Lafarge Corporation--Sugar Creek Plant, to B. Jordan, EPA:OAQPS:ESD, August 5, 1992, ICR response.
II-D-27	Letter, M. Harris, Lafarge Corporation—Balcones Plant, to M. Johnson, EPA:OAQPS:ESD:ISB, August 5, 1992, Requesting 30-day extension of deadline for submitting ICR response.
II-D-28	Letter, L. Ladomer, St. Marys Peerless Cement Company, to M. Johnson, EPA:OAQPS:ESD:ISB, August 5, 1992, Requesting exemption from submitting ICR response since it is no longer applicable to facility.
II-D-29	Letter and attachment, S. Bryan, Alamo Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 7, 1992, ICR response.
II-D-30	Letter and attachment, P. Caldwell, Gulf Coast Portland Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 7, 1992, ICR response.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-31	Letter and attachment, D. Brubaker, Independent Cement Corporation, to B. Jordan, EPA:OAQPS:ESD, August 7, 1992, ICR response.
II-D-32	Letter and attachments, W. Patterson, People Opposing Pollution, to B. Jordan, EPA:OAQPS:ESD, August 7, 1992, Concerns about Holnam Incorporated, Theodore plant.
II-D-33	Letter and attachment, J. Coggins, Armstrong Cement & Supply, to B. Jordan, EPA:OAQPS:ESD, August 8, 1992, ICR response.
II-D-34	Letter and attachment, B. Collins, Lafarge Corporation–Paulding Plant, to B. Jordan, EPA:OAQPS:ESD, August 10, 1992, ICR response.
II-D-35	Lafarge Corporation--Fredonia, Kansas Plant, August 10, 1992, ICR response (no letter attached).
II-D-36	Letter and attachment, R. Tanaka, Hawaiian Cement–Cement Division, to B. Jordan, EPA:OAQPS:ESD, August 12, 1992, ICR response.
II-D-37	Letter and attachment, D. Willis, Blue Circle Cement, Incorporated, to B. Jordan, EPA:OAQPS:ESD, August 12, 1992, ICR response for Roberta, Alabama Plant.
II-D-38	Letter and attachment, F. Carl, Dacotah Cement, to B. Jordan, EPA:OAQPS:ESD, August 13, 1992, ICR response for South Dakota Cement plant.
II-D-39	Lafarge Corporation--Demopolis Plant, August 13, 1992, ICR response (no letter attached).
II-D-40	Lafarge Corporation--Alpena Plant, August 13, 1992, ICR response (no letter attached).
II-D-41	Salt River Pima–Maricopa Indian Community, Phoenix Cement Company, August 13, 1992, ICR response (no letter attached).
II-D-42	National Cement Company of Alabama Incorporated--Ragland Plant, August 17, 1992, ICR response (no letter attached).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-43	Letter and attachment, H. Smith, Centex Cement Enterprises, Incorporated, to M. Johnson, EPA:OAQPS:ESD:ISB, August 17, 1992, ICR response for Nevada Cement Company.
II-D-44	Lafarge Corporation--Whitehall Plant, August 20, 1992, ICR response (no letter attached).
II-D-45	Letter and attachment, D. Sweeney, Ash Grove Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 21, 1992, ICR response for Durkee, Oregon Plant.
II-D-46	Letter and attachment, D. Sweeney, Ash Grove Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 21, 1992, ICR response for Inkom, Idaho Plant.
II-D-47	Letter and attachment, D. Sweeney, Ash Grove Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 21, 1992, ICR response for Leamington, Utah Plant.
II-D-48	Letter and attachment, D. Sweeney, Ash Grove Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 21, 1992, ICR response for Chanute Plant.
II-D-49	Letter and attachment, D. Sweeney, Ash Grove Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 21, 1992, ICR response for Foreman Plant.
II-D-50	Letter and attachment, D. Sweeney, Ash Grove Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 21, 1992, ICR response for Montana City Plant and Quarry.
II-D-51	Letter and attachment, D. Sweeney, Ash Grove Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 21, 1992, ICR response for Louisville, Nebraska Plant.
II-D-52	Letter and attachment, D. Sweeney, Ash Grove Cement Company, to B. Jordan, EPA:OAQPS:ESD, August 21, 1992, ICR response for Seattle Plant.
II-D-53	Allentown Cement Company, Incorporated, August 24, 1992, ICR response (no letter attached).
II-D-54	Letter and attachment, M. Smith, Lafarge Corporation--Davenport Plant, to B. Jordan, EPA:OAQPS:ESD, August 26, 1992, ICR response.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-55	Letter and attachment, D. Shumway, Mitsubishi Cement Corporation-- Cushenbury Plant, to B. Jordan, EPA:OAQPS:ESD, August 31, 1992, ICR response.
II-D-56	Letter and attachment, B. Román, San Juan Cement Company, Incorporated, to B. Jordan, EPA:OAQPS:ESD, August 31, 1992, ICR response.
II-D-57	Letter and attachment, M. Fraley, Signal Mountain Cement Company, to B. Jordan, EPA:OAQPS:ESD, September 3, 1992, ICR response.
II-D-58	Letter and attachment, H. Smith, Centex Cement Enterprises, Incorporated, to M. Johnson, EPA:ISB, September 3, 1992, ICR response for Texas-Lehigh Cement Company's Buda Plant.
II-D-59	Letter, J. Alexander, Capitol Cement Corporation, to M. Johnson, EPA:OAQPS:ESD:ISB, September 4, 1992, Requesting extension for submittal of ICR questionnaire.
II-D-60	Letter and attachment, H. Smith, Centex Cement Enterprises, Incorporated to M. Johnson, EPA:OAQPS:ESD:ISB, September 4, 1992, ICR response for Illinois Cement Company.
II-D-61	Letter and attachment, R. Pospisil, River Cement Company--Selma Plant, to B. Jordan, EPA:OAQPS:ESD, September 4, 1992, ICR response.
II-D-62	Letter and attachment, D. Turner, Independent Cement Corporation, to B. Jordan, EPA:OAQPS:ESD, September 8, 1992, ICR response for Catskill, New York Facility.
II-D-63	Letter and attachment, A. Kerr, Lafarge Corporation--Joppa Plant, to B. Jordan, EPA:OAQPS:ESD, September 8, 1992, ICR response.
II-D-64	Letter and attachment, M. Harris, Lafarge Corporation--Balcones Plant, to B. Jordan, EPA:OAQPS:ESD, September 8, 1992, ICR response.
II-D-65	Holnam Incorporated--Fort Collins Plant, September 8, 1992, ICR response (no letter attached).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-66	Letter and attachment, M. McKenna, Kaiser Cement Corporation, to B. Jordan, EPA:OAQPS:ESD, September 8, 1992, ICR response for Kaiser Cement Permanente Plant.
II-D-67	Letter and attachment, H. Smith, Centex Cement Enterprises, Incorporated, to M. Johnson, EPA:OAQPS:ESD:ISB, September 9, 1992, ICR response for Mountain Cement Company.
II-D-68	Letter and attachment, T. Rader, Heartland Cement Company, to B. Jordan, EPA:OAQPS:ESD, September 9, 1992, ICR response.
II-D-69	Letter and attachment, C. Wright, RMC Lonestar-Davenport Plant, to B. Jordan, EPA:OAQPS:ESD, September 9, 1992, ICR response.
II-D-70	Letter, J. Grady, California Portland Cement Company, to M. Johnson, EPA:OAQPS:ESD:ISB, September 10, 1992, Requesting additional 60 days to complete the HAP survey.
II-D-71	Letter and attachment, S. Mejia, Puerto Rican Cement Company, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 11, 1992, ICR response.
II-D-72	Holnam Incorporated—Artesia Plant, September 11, 1992, ICR response (no letter attached).
II-D-73	Florida Crushed Stone Company, Florida Crushed Stone Cement Plant, September 14, 1992, ICR response (no letter attached).
II-D-74	Letter and attachments, M. Sinclair, Adans for a Clean Environment, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 14, 1992, Commenting on the Holnam, Incorporated—Holly Hill plant and enclosing various information about the plant's compliance with air pollution standards.
II-D-75	Letter and attachment, E. Tiemeyer, Texas Industries, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 18, 1992, ICR response for Midlothian Cement Plant.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-76	Letter and attachment, E. Tiemeyer, Texas Industries, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 18, 1992, ICR response for TXI Hunter Cement Plant; the process flow diagrams are CBI.
II-D-77	Letter and attachment, K. Williams, Hercules Cement Company, to B. Jordan, EPA:OAQPS:ESD, September 21, 1992, ICR response.
II-D-78	Letter and attachment, G. Draper, Glen G. Draper Engineering, to B. Jordan, EPA:OAQPS:ESD, September 22, 1992, ICR response for North Texas Cement's Midlothian Plant.
II-D-79	Midwest Portland Cement Company, September 23, 1992, ICR response (no letter attached).
II-D-80	Letter and attachment, D. Barker, Giant Cement Company, to M. Johnson, EPA:OAQPS:ESD:ISB, September 24, 1992, ICR response.
II-D-81	Letter and attachment, E. Kulesza, Riverside Cement Company, to B. Jordan, EPA:OAQPS:ESD, September 24, 1992, ICR response for Oro Grande Plant.
II-D-82	Letter and attachment, E. Kulesza, Riverside Cement Company, to B. Jordan, EPA:OAQPS:ESD, September 24, 1992, ICR response for Crestmore Plant.
II-D-83	Letter and attachment, M. Vardeman, Rinker Materials Corporation, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response.
II-D-84	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for the Clarksville, Missouri Plant.
II-D-85	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for Devils Slide Plant.
II-D-86	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for Dundee Plant.
II-D-87	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for Okay Plant.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-88	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for Portland Plant in Florence, Colorado.
II-D-89	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for Seattle plant.
II-D-90	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for Theodore plant.
II-D-91	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for Trident Cement Plant.
II-D-92	Letter and attachment, K. Sutton, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, September 28, 1992, ICR response for Tijeras Plant.
II-D-93	CDN-USA, Incorporated, September 29, 1992, ICR response for Dragon Products Company, Incorporated (no letter attached).
II-D-94	Giant Group, Limited, October 2, 1992, ICR response for Keystone Cement Company (no letter attached).
II-D-95	Letter and attachment, A. Barzoloski, CBR Cement Corporation, to M. Johnson, EPA:OAQPS:ESD:ISB, October 6, 1992, ICR response for Calaveras Cement Company--Tehachapi Plant.
II-D-96	Letter and attachment, R. Langhoff, ESSROC Materials, Incorporated, to EPA:OAQPS:ESD, October 7, 1992, ICR Response for Middlebranch Facility.
II-D-97	Letter and attachment, A. Ombrello, ESSROC Materials, Incorporated--Nazareth, Pennsylvania, to B. Jordan, EPA:OAQPS:ESD, October 8, 1992, ICR response.
II-D-98	Letter and attachment R. Riggs, Medusa Cement Company-Charlevoix, Michigan Plant, to B. Jordan, EPA:OAQPS:ESD, October 9, 1992, ICR response.
II-D-99	Letter, B. Ballinger, ESSROC Materials, Incorporated--Frederick, Maryland Plant, to B. Jordan, EPA:OAQPS:ESD, October 12, 1992, Explanation of delay in responding to the CAA survey.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-100	Letter and attachment R. Stillwell, Medusa Cement Company—Clinchfield, Georgia Plant, to B. Jordan, EPA:OAQPS:ESD, October 14, 1992, ICR response.
II-D-101	Letter and attachment G. Gess, Capitol Cement Corporation--Martinsburg Plant, to B. Jordan, EPA:OAQPS:ESD, October 14, 1992, ICR response.
II-D-102	Letter and attachment H. Hackett, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, October 20, 1992, ICR response for Ada Plant.
II-D-103	Letter and attachment H. Hackett, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, October 20, 1992, ICR response for Holly Hill Plant.
II-D-104	Letter and attachment H. Hackett, Holnam, Incorporated, to B. Jordan, EPA:OAQPS:ESD, October 20, 1992, ICR response for Mason City Plant.
II-D-105	Tarmac, Roanoke Cement Company, October 21, 1992, ICR response (no letter attached).
II-D-106	Letter and attachments, D. Lue, Southdown, Incorporated, to M. Johnson, EPA:OAQPS:ESD:ISB, October 26, 1992, ICR responses for: Southdown, Incorporated at Lyons, Colorado; Southdown, Incorporated at Odessa, Texas; Kosmos Cement Company at Pittsburgh, Pennsylvania; and Southdown, Incorporated at Victorville, California.
II-D-107	Letter and attachment, B. Phillips, Southwestern Portland Cement-Fairborn, Ohio Plant, to M. Johnson, EPA:OAQPS:ESD:ISB, October 29, 1992, ICR response.
II-D-108	Letter and attachment, D. Kelly, Brooksville Cement, to M. Johnson, EPA:OAQPS:ESD:ISB, October 30, 1992, ICR response.
II-D-109	Letter and attachments, D. Lue, Southdown, Incorporated, to M. Johnson, EPA:OAQPS:ESD:ISB, October 30, 1992, ICR responses for the Knoxville, Tennessee Plant and Kosmos Cement Company Louisville, Kentucky Plant.
II-D-110	Letter and attachment, D. Jefferson, ESSROC Materials, Incorporated-- Speed, Indiana, to B. Jordan, EPA:OAQPS:ESD, November 5, 1992, ICR response.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-111	Letter and attachment, R. Smith, Lafarge Corporation-Fredonia Kansas Plant, to M. Johnson, EPA:OAQPS:ESD:ISB, November 20, 1992, Enclosing HCl emissions results from BIF compliance test certification.
II-D-112	Letter and attachment, J. Wiest, Kaiser Cement Corporation, to M. Johnson, EPA:OAQPS:ESD:ISB, November 22, 1992, Enclosing additional data for quantification of HAP's emissions from Kaiser Cement Corporation's Permanente, California facility.
II-D-113	Letter and attachment, J. Wiest, Kaiser Cement Corporation, to M. Johnson, EPA:OAQPS:ESD:ISB, November 22, 1992, Enclosing selected pages of a test report for emissions testing conducted in February and March 1990 at the Cupertino plant.
II-D-114	Letter and attachment, D. Shumway, Mitsubishi Cement Corporation, to M. Johnson, EPA:OAQPS:ESD, November 25, 1992, Enclosing a summary of the last source test for the Cushenbury Plant.
II-D-115	EMAI Corporation--Bessemer Facility, November 30, 1992, ICR response (no letter attached).
II-D-116	Letter, R. Vidergar, Ash Grove Cement Company, Western Region, Durkee, Oregon, Durkee Facility, to B. Jordan, EPA:OAQPS:ESD, December 3, 1992, Revised calculation for diethanolamine emissions.
II-D-117	Letter and attachment, S. Bassler, Lafarge Corporation--Great Lakes Region, to M. Johnson, EPA:OAQPS:ESD:ISB, December 9, 1992, Emission testing performed on Lafarge Corporation's Paulding Plant's cement kiln precipitator (in June 1991).
II-D-118	Letter and attachment, R. Johnson, Lone Star Industries-Oglesby Cement Plant, Incorporated, to M. Johnson, EPA:OAQPS:ESD:ISB, December 22, 1992, Enclosing requested information.
II-D-119	CBR Cement Corporation, December 24, 1992, ICR response for Calaveras Cement Company--Redding Facility (no letter attached), (The response contains a test report: Emissions Associated with the Combustion of Pulp and Paper Mill Primary Sludge in a Cement Kiln, with a report date of December 4, 1989).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-120	Letter and attachment, E. Kulesza, Riverside Cement Company, to M. Johnson, EPA:OAQPS:ESD:ISB, December 27, 1992, Enclosing additional source test data.
II-D-121	Letter and attachment, S. Quaas, Tarmac Florida, Incorporated, Tarmac Florida Cement Plant, to M. Johnson, EPA:OAQPS:ESD:ISB, December 30, 1992, ICR response.
II-D-122	Letter and attachment, D. Dusome, Calaveras Cement Company, to M. Johnson, EPA:OAQPS:ESD:ISB, January 5, 1993, Enclosing Final Biennial Toxic Air Emissions Inventory Report—Calaveras Cement Company, Tehachapi Plant (Kern County, California), report dated October 30, 1992.
II-D-123	Letter and attachments, J. Grady, California Portland Cement Company, to B. Jordan, EPA:OAQPS:ESD, January 6, 1993, ICR responses for the Mojave, California and Rillito, Arizona plants, (The ICR response for the company's Colton, California plant was placed with this item).
II-D-124	Letter and attachment, S. Wallace, Dragon Products Company, to M. Benson, RTI, January 29, 1993, Attaching brief summary of THC concentration results.
II-D-125	Letter and attachment, W. Winders, Continental Cement Company-- Hannibal Plant, to M. Johnson, EPA:OAQPS:ESD:ISB, March 10, 1993, response to EPA's questions.
II-D-126	Letter and attachment, S. Wallace, Dragon Products Company, to M. Benson, RTI, March 26, 1993, Enclosing reports summarizing emissions testing done at Dragon in December, 1991, (Report titles: (1) Particulate and Gaseous Emission Study performed for Dragon Products Company, Incorporated at the Thomaston, Maine Facility on the Clinker Cooler and Scrubber Stack, December 18 and 20, 1991, report dated April 6, 1992 and (2) Continuous Emission Monitor Relative Accuracy Audit Performed for Environplan at the Dragon Products Company Scrubber Inlet and Outlet Thomaston, Maine, December 19 and 20, 1991, report dated March 3, 1992).
II-D-127	Letter and attachments, T. Matz, Lehigh Portland Cement Company, to B. Jordan, EPA:OAQPS:ESD, March 31, 1993, ICR responses for the following plants: Leeds, Alabama; Mitchell, Indiana; Mason City, Iowa; Union Bridge, Maryland; Cementon, New York; York, Pennsylvania; and Waco, Texas.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-128	ESSROC Materials, Incorporated--Frederick Plant, May 7, 1993, ICR response (no letter attached).
II-D-129	Letter and attachment, S. Wallace, Dragon Products Company, to J. Crowder, EPA:OAQPS:ESD:ISB, May 7, 1993, Enclosing draft trip report from M. Benson's visit to cement plant in Thomaston, Maine, declared declassified, (For final trip report, see II-B-34).
II-D-130	Letter and attachment, D. Lauer, Holnam, Incorporated, to M. Johnson, EPA:OAQPS:ESD:ISB, May 14, 1993, Enclosing memorandum from M. Benson, RTI, regarding the Dundee plant visit, declared declassified, and a copy of a compliance report, (For final trip report, see II-B-35), (Attachment: Source Test Summary Report for Kiln #2, Particulates and Hydrocarbons, Holnam, Incorporated--Dundee Plant, Test Report Data from June 1991 through September 1991).
II-D-131	Letter and attachment, B. Graf, ESSROC Materials, Incorporated-Logansport, Indiana Plant, to M. Johnson, EPA:OAQPS:ESD, May 24, 1993, ICR response.
II-D-132	Letter and attachment, R. Crolius, American Portland Cement Alliance, to K. Durkee, EPA:OAQPS:ISB, June 1, 1993, Attaching letter from RMC Lonestar providing information regarding the formaldehyde emissions from the stack and a report from Southdown discussing VOC emissions at the Fairborn, Ohio facility.
II-D-133	Letter and attachment, W. Winders, Continental Cement Company, to M. Johnson, EPA:OAQPS:ESD:ISB, Enclosing additional information for NESHAP ICR for Portland Cement Manufacturing, June 21, 1993, (The plant's ICR response was placed with this item).
II-D-134	Letter and attachments, R. Brown, Environmental Elements Corporation, to J. Turner, RTI, August 20, 1993, Cost of Replacing or Modifying an Existing ESP.
II-D-135	Letter, A. Arstikaitis, Research-Cottrell, to J. Turner, RTI, August 30, 1993, Confirmation of pricing information on eight precipitator scenarios.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-136	Letter and attachment, D. Sanders, Andersen 2000 Incorporated, to J. Portzer, RTI, September 27, 1993, Submitting requested information on a scrubbing system for three model kilns.
II-D-137	Letter, C. Herman, Monsanto Enviro-Chem Systems Incorporated, to J. Portzer, RTI, September 29, 1993, Budgetary Cost Estimates for Limestone Scrubbing of HCl.
II-D-138	Letter, E. Hansen, Ash Grove Cement Company, to J. Wood, EPA:OAQPS:ESD:ISB, February 11, 1994, Attaching information on chloride emissions from a cement kiln equipped with a spray tower.
II-D-139	Letter, B. Pulley, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:ISB, February 18, 1994, Letters were sent to APCA member company Presidents asking them to test hydrogen chloride emissions from their kiln stacks.
II-D-140	Letter and attachment, B. Pulley, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:ISB, March 1, 1994, Enclosing a copy of the mailing that went to APCA member company CEOs and plant managers; and a copy of the proposed program for cement kiln emissions evaluation.
II-D-141	Letter and attachments, R. Tacelli, Auburn International, to J. Wood, EPA:OAQPS:ESD:ISB, March 2, 1994, Enclosing a Triboflow Model CEM 2604 Performance Specification; some current data on Triboflow versus gravimetric testing (Method 5); a recent article from the technical magazine "Control" (February '94); and local (state or county) Environmental Regulator contacts who have submitted the use of Triboflow as part of an operating agreement.
II-D-142	Letter and attachment, A. Fiorato, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:ISB, April 1, 1994, Enclosing two documents entitled, "The U.S. Cement Industry an Economic Report" (Third Edition—January 1984) and "Cement Industry Fact Sheet" (Eleventh Edition).
II-D-143	Letter and attachment, A. Licata, Dravo Lime Company, to J. Wood, EPA:OAQPS:ESD:ISB, April 4, 1994, Controlling acid gases and air toxic emissions with Sorbalit®.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-144	Letter and attachments, P. Feldman, Advanced Air Quality Research, to J. Wood, EPA:OAQPS:ESD:ISB, May 2, 1994, Enclosing requested paper on pulse energization of electrostatic precipitators and a paper titled "The Challenge of High-Efficiency Control of Fine Particles."
II-D-145	Letter, J. Koch, Dragon Products Company, to L. Lay, EPA:OAQPS:EMB, June 13, 1994, Comments on the final draft FTIR test report for the cement manufacturing plant in Thomaston, Maine, (For comments, see II-I-93; for final test report, see II-A-40).
II-D-146	Letter and attachment, M. Vardeman, Rinker Materials Corporation, to J. Wood, EPA:OAQPS:ESD:ISB, June 15, 1994, Enclosing stack tests and permits that are for public record; the cost information is CBI.
II-D-147	Letter, D. Falgout, to T. Harrison, EPA:OAQPS:MCTS:EMB:TSD, June 21, 1994, Review of two project reports that Radian submitted to Bob Fuerst concerning work done on Method 26/26A.
II-D-148	Letter and attachment, M. Cawthray, Holnam, Incorporated, to L. Lay, EPA:OAQPS:EMB, June 29, 1994, Attaching report containing technical comments on draft final report, "Portland Cement Emission Test."
II-D-149	Letter, B. Gaylord, Department of Planning and Environmental Management, Air Pollution Control District, Jefferson County, Kentucky, to J. Wood, EPA:OAQPS:ESD:ISB, August 23, 1994, Confirming his responsibility in the regulatory review process.
II-D-150	Letter and attachments, P. Tracy, American Portland Cement Alliance (APCA), to J. Wood, EPA:OAQPS:ESD:ISB, September 30, 1994, Enclosing APCA comments regarding EPA's draft meeting minutes, (Attachments: Letter, J. Wood, EPA:OAQPS:ESD:ISB, to P. Tracy, American Portland Cement Alliance, August 16, 1994, Enclosing draft minutes of the August 2, 1994 EPA/APCA meeting; and Draft Memorandum, J. Wood, EPA:OAQPS:ESD:ISB, to K. Durkee, EPA:OAQPS:ESD:ISB, Meeting Minutes—American Portland Cement Alliance Status Meeting on August 2, 1994).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-151	Letter and attachments, P. Tracy, APCA, to J. Wood, EPA:OAQPS:ESD:ISB, October 5, 1994, Enclosing final APCA meeting minutes for August 2, 1994 EPA/APCA meeting, (Attachments: Undated APCA meeting minutes; and letter and attachment, P. Tracy, APCA, to K. Durkee, EPA:OAQPS:ESD:ISB, August 19, 1994, Enclosing draft minutes (dated August 10, 1994) for the August 2, 1994 meeting).
II-D-152	Letter and attachment, A. Gill, Southdown, Incorporated, to J. Wood, EPA:OAQPS:ESD:ISB, October 7, 1994, Enclosing a copy of test report entitled, "FTIR and Method 26 Emission Test," prepared by Entropy.
II-D-153	Letter, W. Sansing, Holnam, Incorporated, to J. Wood, EPA:OAQPS:ESD:ISB, October 18, 1994, Corrections and comments to draft report regarding visit to the Fort Collins Plant.
II-D-154	Letter, A. Gill, Southdown, Incorporated, to J. Crowder, EPA:OAQPS:ESD:ISB, October 21, 1994, Comments on the Southdown, Incorporated, SW Portland Cement Company, Lyons, Colorado trip report of August 22, 1994.
II-D-155	Letter and attachment, G. Elliott, Lafarge Corporation, to F. Behan, EPA:OSW, January 5, 1995, Enclosing a report on dioxin/furan emission testing conducted at Fredonia Kansas cement plant in June/July 1994.
II-D-156	Letter and attachment, A. Dougherty, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:MICG, January 6, 1995, Attaching the summary work plan for data collection, studies, and reporting for hazardous air pollutants.
II-D-157	Letter and attachment, A. Dougherty, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:MICG, January 18, 1995, Enclosing "Review of the Environmental Protection Agency's Model Kiln Scenarios and Cost Estimates for Control of Hazardous Air Pollutants from the Portland Cement Industry."
II-D-158	Letter and attachment, A. Lowe, Entropy, Incorporated, to T. Harrison, EPA, February 17, 1995, Enclosing the February 3, 1995 protocol entitled "Sample and Analytical Protocol for a Data Collection Program at a Portland Cement Kiln for the Clean Air Act MACT Performance Standards."

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-159	Letter, R. Creighton, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, April 5, 1995, Comments on carbon injection technology transfer to cement kilns.
II-D-160	Letter and attachment, A. Dougherty, Portland Cement Association, to M. Toney, EPA:EMC, May 2, 1995, Enclosing copy of PCA General Test Plan.
II-D-161	Letter, D. Novello, Freedman, Levy, Kroll & Simonds, to L. Wegman, EPA:OAQPS, May 10, 1995, Comments concerning the MACT standards for cement plants.
II-D-162	Letter, J. Slagle, Dragon Products Company, to J. Wood, EPA:OAQPS:ESD:MICG, June 16, 1995, Comments on presumptive MACT standards for the cement industry.
II-D-163	Letter, M. Levin, McGuire, Woods, Battle, and Boothe, to J. Wood, EPA:OAQPS:ESD:MICG, July 13, 1995, Comments on presumptive MACT for cement kilns that do not burn RCRA C Waste.
II-D-164	Letter and attachment, H. Hackett, Global Environmental Management, Incorporated, to K. Durkee and J. Wood, EPA:OAQPS:ESD:MICG, July 24, 1995, Enclosing information regarding the joint explanatory statement of the committee of conference.
II-D-165	Letter and attachment, A. Dougherty, Portland Cement Association, to M. Toney, EPA:EMC, August 4, 1995, Submittal of revised general test plan, revised FTIR protocols for measuring VOC and HCl emissions, and confirmation of EPA's technical guidance on the GFC/IR protocol.
II-D-166	Letter and attachment, A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, August 18, 1995, Attaching comments from APCA reflecting the cement industry's perspectives on the draft presumptive MACT standards.
II-D-167	Letter, J. Gasiorowski, Lafarge Corporation to M. Toney, EPA:EMC, August 22, 1995, Enclosing addendum to the PCA General Test Plan for Lafarge Corporation Sugar Creek, Missouri.
II-D-168	Letter, A. Dougherty, Portland Cement Association, to M. Toney, EPA:EMC, August 24, 1995, Submittal of revised FTIR protocol for review; proposed changes to GFC/IR protocol; request for comments to general test plan.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-D  
EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-169	Letter and attachment, M. Nisbet, Lafarge Canada, Incorporated, to M. Toney, EPA:EMC, August 28, 1995, Site Specific Aspects of the PCA HAPs Testing Program Plan for Lafarge Corporation–Sugar Creek, Missouri Plant.
II-D-170	Letter and attachment, E. Mikols, Lehigh Portland Cement Company, to M. Toney and L. Lay, EPA:EMC, September 1, 1995, Enclosing test protocol for the kiln exhaust gas analysis for #4 kiln at the Union Bridge, Maryland, portland cement plant.
II-D-171	Letter, D. Willis, Blue Circle Cement, to E. Heath, RTI, September 5, 1995, Estimated average number of materials handling facilities at a cement plant.
II-D-172	Letter and attachments, J. Lauber, New York State Department of Environmental Conservation, to J. Wood, EPA:OAQPS:ESD:MICG, September 5, 1995, Comments from other state representatives on the preliminary presumptive MACT rules, (Comments attached from: J. Saitas, Texas Natural Resource Conservation Commission, August 25, 1995; A. Kumar, New York State Department of Environmental Conservation, September 1, 1995; C. Rushton, Maine Department of Environmental Protection, August 14, 1995; E. Parr-Doering, Maine Department of Environmental Protection, August 8, 1995; A. Kumar, July 31, 1995; A. Roth, Ohio Regional Air Pollution Control Agency, June 26, 1995).
II-D-173	Letter, E. Mikols, Lehigh Portland Cement Company, to J. Wood, EPA:OAQPS:ESD:MICG, September 8, 1995, Scheduled HAP emissions testing at the Lehigh Union Bridge, Maryland Plant.
II-D-174	Letter and attachment, M. Cawthray, Holnam, Incorporated, to M. Toney, EPA:EMC, September 26, 1995, Enclosing test protocol for emissions testing scheduled for October 1995 at the Florence, Colorado plant.
II-D-175	Letter, E. Mikols, Lehigh Portland Cement Company, to M. Toney and L. Lay, EPA:EMC, October 10, 1995, Method 301 validation protocol for FTIR testing planned at the Union Bridge, Maryland plant will be sent under separate cover.
II-D-176	Letter and attachment, M. Krall, Radian Corporation, to M. Toney, EPA:EMC, October 11, 1995, Enclosing two copies of the test plan for the FTIR Method 301 validation and testing that will be performed at the Lehigh Union Bridge facility.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-177	Letter and attachment, J. Powell, Air Pollution Characterization and Control (APCC), LTD., to M. Toney, EPA:EMAD, October 12, 1995, Enclosing site specific protocol for HCl method validation and emissions measurements using gas filter correlation infrared technology at Blue Circle Atlantic in Ravena, New York.
II-D-178	Letter, W. Bumpers, Howrey & Simon, to S. Silverman, EPA:OGC, October 16, 1995, Applicability of Clean Air Act §112(c)(6).
II-D-179	Letter and attachment, J. Powell, APCC, to M. Toney, EPA:EMAD, October 17, 1995, Enclosing protocols for measuring HCl with gas filter correlation infrared technology at Blue Circle, Harleyville, South Carolina and ESSROC Bessemer, Pennsylvania.
II-D-180	Letter, M. Cawthray, Holnam, Incorporated, to M. Toney, EPA:EMB, October 23, 1995, Response to EPA's comments on Holnam's proposed test plan and quality assurance project plan for measuring HAP emissions at Holnam's portland cement plant in Colorado.
II-D-181	Letter and attachments, A. Dougherty, Portland Cement Association, to M. Toney, EPA:EMC, October 23, 1995, Submittal of revised Fourier Transform Infrared (FTIR) and gas filter correlation/infrared (GFC/IR) protocols, (Attachments: Method, Measurement of Gaseous Hydrogen Chloride Emissions at Portland Cement Kilns by FTIR Spectroscopy, October 9, 1995; Method, Measurement of Gaseous Volatile Organic Compound (VOC) Emissions at Portland Cement Kilns by FTIR Spectroscopy, October 9, 1995; Paper, Test Protocol, Determination of HCl Emissions From Cement Kilns (Instrument Analyzer Procedure), revision 3, October 9, 1995).
II-D-182	Letter, A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, November 2, 1995, Preliminary comments on draft chapters of technical support document.
II-D-183	Letter, D. Sweeney, Ash Grove Cement Company, to E. Heath, RTI, November 2, 1995, Estimated average number of material handling facilities at a cement plant.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-D  
EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-184	Letter and attachment, A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, January 16, 1996, Subcategorization of Portland Cement Source Category, (Attachment: Analysis of Technical and Economic Factors Associated with Potential Subcategorization of Portland Cement Kilns).
II-D-185	Letter and attachment, J. Peeler, Emission Monitoring, Incorporated, to B. Jordan, EPA:OAQPS:ESD, January 31, 1996, Enclosing a copy of the paper "Continuous Particulate Monitoring in Germany and Europe Using Optical Techniques," presented by J. Peeler, Emission Monitoring, Incorporated, J. Jahnke, Source Technology Associates, and S. Wisker, SICK Optic-Electronic, Incorporated, at the October 26, 1995 Air and Waste Management Specialty Conference on Continuous Compliance Monitoring under the Clean Air Act Amendments, Chicago.
II-D-186	Letter, A. O'Hare, American Portland Cement Alliance, to M. Nichols, March 1, 1996, MACT Standards for the Portland Cement Industry, (For the January 16, 1996 letter cited in this letter see II-D-184).
II-D-187	Letter, A. Dougherty, Portland Cement Association, to M. Toney, EPA:EMC, March 11, 1996, Plan for submittal of revised FTIR and GFC/IR protocols for HCl for review, remaining technical issues on FTIR for organics for discussion, questions on TTN, and schedule for submittal of HAPs test program reports, (For EPA response to questions in this letter, see II-C-108).
II-D-188	Letter, A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, May 21, 1996, Comments on Minutes of EPA's November 1995 Meeting with the Portland Cement Industry.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-189	Letter and attachments, A. Dougherty, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:MICG, May 30, 1996, Mercury Summary Report—additional copies, (Attachments: Paper, Instrumental Considerations for High- Sensitivity Continuous Emissions Monitoring of Hazardous Air Pollution Metals, M. Seltzer, Naval Air Warfare Center, Weapons Division, Presented at the 1994 Federation of Analytical Chemistry and Spectroscopy Society Conference, October 2-7, 1994, pp. 71-78; and Paper, EPA (Draft) Method 29: An Evaluation of its Ability to Speciate Mercury, M. Heidt and D. Laudal, Energy and Environmental Research Center, and B. Nott, EPRI, Presented at EPRI/DOE International Conference on Managing Hazardous and Particulate Air Pollutants, Toronto, August 15-18, 1995).
II-D-190	Letter and attachment, A. Dougherty, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:MICG, June 10, 1996, Enclosing report entitled “Routine Particulate Emission Variability in Portland Cement Pyroprocessing Operations.”
II-D-191	Letter and attachments, A. Dougherty, Portland Cement Association, to M. Toney, EPA:EMC, June 24, 1996, GFC/IR validation summary report and revised test protocol, and GFC/IR test reports from Blue Circle America, Incorporated (dated June 1996) and ESSROC Materials, Incorporated (dated June 1996), (Summary report and protocol attachments: J. Peeler, Emission Monitoring, Incorporated, to A. Dougherty, Portland Cement Association, June 20, 1996, Summarizing the PCA Gas Filter Correlation Infrared HCl Protocol Development and Method Evaluation at Three Different Facilities (Blue Circle Atlantic Cement, Incorporated, at Ravena, New York and Harleyville, South Carolina, and Essroc Materials, Incorporated, in Bessemer, Pennsylvania); and Determination of HCl emissions from cement kilns [instrument analyzer procedure], revision 4, June 20, 1996).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-192	Letter and attachments, A. Dougherty, Portland Cement Association, to M. Toney, EPA:EMC, June 24, 1996, FTIR Validation summary report, and enclosing test reports form Capitol Aggregates, Incorporated, Southdown, Incorporated, and Holnam, Incorporated, (FTIR validation summary report attachment: L. Kinner, Emission Monitoring, Incorporated, to A. Dougherty, Portland Cement Association, June 20, 1996, Commenting on Extractive FTIR Portion of Test Programs for Holnam, Incorporated, Florence, Colorado, Southdown, Incorporated, Victorville, California, and Capital Aggregates, Incorporated, San Antonio, Texas. Test reports attached: HAPs test program report for Capitol Aggregates, Incorporated, San Antonio, Texas, Final Report, August 11, 1995; FTIR M301 Validation at the wet kiln at Capitol Aggregates, San Antonio, Texas plant, July 1995; Southwestern Portland Cement, Victorville, California (kiln #2 stack), August 1995, HAPs Test Report, Holnam, Incorporated, Florence, Colorado, February 1996).
II-D-193	Letter and attachment, A. Dougherty, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:MICG, July 5, 1996, Enclosing report entitled "Report to the Portland Cement Association on PCDD/PCDF Emissions Data Quality from Testing at Cement Kilns."
II-D-194	Letter and attachment, A. Dougherty, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:MICG, July 9, 1996, Enclosing report entitled "Hydrocarbon Emissions Due to Raw Materials in the Manufacture of Portland Cement."
II-D-195	Letter and attachment, A. Dougherty, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:MICG, July 9, 1996, Enclosing report entitled "Air Emissions Summary for Portland Cement Pyroprocessing Operations."
II-D-196	Letter and attachment, A. Dougherty, Portland Cement Association, to J. Wood, EPA:OAQPS:ESD:MICG, July 12, 1996, Enclosing report entitled "Review of SO <sub>2</sub> (HCl) Scrubbers for the Portland Cement Association's HAPs Task Force."
II-D-197	Letter and attachment, W. Clark, EER, to J. Wood, EPA:OAQPS:ESD, July 12, 1996, Documentation of PM CEM costs.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-D  
 EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-198	Letter and attachments, J. Freund, Medusa Corporation, to J. Wood, EPA:OAQPS:ESD:MICG, August 27, 1996, Enclosing emission test report for Wampum plant and letter from C. Gotro, plant manager for the Medusa-Crescent, Incorporated Wampum plant to E. Gustafson, Pennsylvania Department of Environmental Protection, on the water spray installation, (Attached test report: Selected pages of the report: Emission measurements for PCDD/PCDFs and Filterable Particulate Matter from Dry Process Cement Kiln No. 2 Common Stack and Kiln No. 3 Crossover, report dated July 19, 1995).
II-D-199	Letter, W. Bumpers, Baker and Botts, to J. Wood, EPA:OAQPS:ESD:MICG, August 30, 1996, Response to informal THC emission proposal.
II-D-200	Letter, A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA/ESD/MICG, October 18, 1996, Number of American portland cement manufacturers that qualify as "small entities."
II-D-201	Letter by facsimile, N. Cabral, McGuire, Woods, Battle and Boothe, to J. Wood, EPA:OAQPS:ESD:MICG, October 28, 1996, Small entity participation in Portland Cement MACT.
II-D-202	Letter, B. Gaylord, Jefferson County, Kentucky Department of Planning and Environmental Management, Air Pollution Control District, to J. Wood, EPA:ESD, November 21, 1996, Comments on the work group draft of the Portland Cement NESHAP.
II-D-203	Letter and attachments, M. Harrell, Medusa Cement Company, to E. Heath, RTI, December 3, 1996, Enclosing ESP Inlet Temperatures Monitored June 28 and 29, 1995 at the Medusa Crescent Incorporated Wampum, Pennsylvania plant.
II-D-204	Letter and attachment, A. O'Hare, American Portland Cement Alliance, to T. Walton, EPA:OAQPS:AQSSD;ISEG; March 12, 1997, Enclosing document entitled "Comments on EPA's Draft Economic Analysis of Air Pollution Regulations for the Portland Cement Industry (May 1996), prepared for American Portland Cement Alliance by Environomics, January 29, 1997."

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-D  
EPA Correspondence From Outside Persons

<u>Document No.</u>	<u>Description</u>
II-D-205	Letter and attachment, C. Kellett, National Cement Company of California, Incorporated, to M. Johnson, EPA:OAQPS:ESD, November 16, 1992, Enclosing source test data for testing conducted in November 1991.
II-D-206	Letter and attachment, D. Gossman, Gossman Consulting, Incorporated, to J. Dickinson, EPA:RCRA Compliance Section-Region IV, August 20, 1992, Enclosing the Compliance Test/Trial Burn Report for the Holnam Cement Plant in Holly Hill, South Carolina, for testing conducted in June and July 1992, test report dated August 1992.
II-D-207	Facsimile, M. Levin, McGuire Woods, Battle, and Boothe, LLP, to J. Wood, EPA:OAQPS:ESD:MICG, December 22, 1997, Discussion on small entity participation in new issues potentially raised by Portland cement MACT.
II-D-208	Letter, K. Ramsey, Auburn International, to J. Wood, EPA:OAQPS:ESD:MICG, January 8, 1998, Requesting to be included in field testing for PM CEMS.
II-D-209	Facsimile, M. Cawthray, Holnam Incorporated, to J. Wood, EPA:OAQPS:ESD:MICG, January 15, 1998, Enclosing process flow diagrams for Midlothian.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-E  
 EPA Memoranda of Meetings and Telephone Conversations With Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-1	Meeting Summary, Scrap Tire Fuel for Cement Kilns, Exchange Meeting, J. Dodds, ed., EG&G Idaho, Incorporated, Sponsored by DOE, Office of Industrial Programs, October 2, 1984.
II-E-2	Memorandum, C. Clark, MRI, to S. Tabler, EPA:SDB:SPS, January 30, 1985, Minutes of meeting between EPA, MRI, and Lone Star Industries, Incorporated.
II-E-3	Contact Summary, G. Carter, RTI, to W. Schadd, Knox County Dept. of Air Pollution Control, February 10, 1992, Record of telephone conversation regarding availability of data for the portland cement information gathering.
II-E-4	Contact Summary, G. Carter, RTI, to L. Bunn, South Carolina Department of Health and Environmental Control, February 12, 1992, Record of telephone conversation regarding general gathering of information on portland cement regulations.
II-E-5	Contact Summary, G. Carter, RTI, to B. Schoenberger, Imagineering Associated Limited, February 21, 1992, Record of telephone conversation regarding reports of trial burns at Giant Cement and other facilities.
II-E-6	Comments on Contact Summary, L. Bunn, South Carolina Department of Health and Environmental Control, to G. Carter, RTI, February 24, 1992, Comments on the February 12, 1992 contact summary.
II-E-7	Contact Summary, M. Benson, RTI, to M. Kay, California Air Resources Board, April 14, 1992, Available data on HAP emissions from portland cement manufacturing.
II-E-8	Contact Summary, M. Benson, RTI, to J. Jolly, Texas Air Pollution Board, April 14, 1992, Available data on HAP emissions from portland cement manufacturing.
II-E-9	Contact Summary, M. Benson, RTI, to K. Armbruster, Michigan Department of Natural Resources, April 20, 1992, Available data on HAP emissions from portland cement manufacturing.
II-E-10	Contact Summary, M. Benson, RTI, to B. Scott, Pennsylvania (Philadelphia Company) Air Management Services, April 20, 1992, Available data on HAP emissions from portland cement manufacturing.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-E  
 EPA Memoranda of Meetings and Telephone Conversations With Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-11	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, April 23, 1992, Summary of telephone survey of State agencies contacted concerning hazardous air pollutants/air toxics emission data.
II-E-12	Contact Summary, M. Benson, RTI, to T. Edwards, Missouri Department of Natural Resources, April 27, 1992, Available data on HAP emissions from portland cement manufacturing.
II-E-13	Contact Summary, M. Benson, RTI, to L. Brown, Alabama Department of Environmental Management, April 27, 1992, Available data on HAP emissions from portland cement manufacturing.
II-E-14	Contact Summary, M. Benson, RTI, to R. Scandlin, Pennsylvania Air Management, April 27, 1992, Available data on HAP emissions from portland cement manufacturing.
II-E-15	Contact Summary, M. Benson, RTI, to J. Jolly, Texas Air Pollution Board, May 12, 1992, Available data on HAP emissions from portland cement manufacturing.
II-E-16	Memorandum, G. Carter, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, July 8, 1992, Minutes for the April 9, 1992 EPA and PCA meeting.
II-E-17	Contact Summary, M. Johnson, EPA:OAQPS:ESD:ISB, to E. Mikols, Lehigh Portland Cement, September 3, 1992, Requesting explanation for lack of ICR response or extension request.
II-E-18	Memorandum, A. Damle, RTI, to W. Neuffer, EPA:OAQPS:ESD:ISB, October 6, 1992, Revised minutes of the July 16, 1992, EPA/Ash Grove Cement Company/Cadence Chemical Resources, Incorporated meeting with EPA.
II-E-19	Contact Summary, M. Benson, RTI, to A. Ombrello, #506-Essroc., March 26, 1993, Information on Dynawave scrubber.
II-E-20	Memorandum, M. Benson, RTI, to M. Johnson and J. Wood, EPA:OAQPS:ESD:ISB, June 10, 1993, Summary of meeting between EPA and Passamaquoddy Technology on April 1, 1993.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-E  
 EPA Memoranda of Meetings and Telephone Conversations With Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-21	Telecon, M. Zada, Altech Systems Corporation, to J. Portzer, RTI, August 3, 1993, Description of and "ballpark" cost estimate on continuous emission monitoring (CEM) equipment.
II-E-22	Memorandum, M. Benson, RTI, to J. Wood, EPA:OAQPS:ESD:ISB, August 18, 1993, Final minutes of the July 19, 1993, meeting between Monsanto Enviro-Chem Systems, Incorporated, and EPA.
II-E-23	Telecon, J. Turner, RTI, to M. Durham and T. Ebner, ADA Technologies, Incorporated, September 1, 3, and 8, 1993, Costs of spray cooling systems for coal-fired utility boilers.
II-E-24	Telecon, J. Turner, RTI, to M. Hoagland, American Norit Company, September 10, 1993, Costs of carbon injection systems for mercury control in utility boilers.
II-E-25	Telecon, J. Wood, EPA:OAQPS:ESD:ISB, to Docket, December 21, 1993, Record of telephone conversation with R. Goetz, Virginia Department of Environmental Quality regarding the Roanoke Portland Cement Plant.
II-E-26	Telecon, J. Wood, EPA:OAQPS:ESD:ISB, to K. Durkee, EPA:OAQPS:ESD, January 5, 1994, Record of telephone conversation with D. Siegfried, Gore-Tex, regarding Gore-Tex membrane filter bag applications to cement kiln exhaust.
II-E-27	Telecon and attached transmittal letter, J. Wood, EPA:OAQPS:ESD:ISB, to E. Hansen, Ash Grove Cement Company, January 11, 1994, Control of hydrocarbon emissions from cement kilns; HC emissions resulting from kerogens in feed materials.
II-E-28	Note, J. Wood, EPA:OAQPS:ESD:ISB, to K. Durkee, EPA:OAQPS:ESD, January 11, 1994, Phone conversation (with E. Hansen, Ash Grove Cement Company) regarding control of HC emissions from cement kilns.
II-E-29	Telecon and attached transmittal letter, J. Wood, EPA:OAQPS:ESD:ISB, to T. Johns, Lafarge Corporation, May 23, 1994, Plans to switch kiln feed material which will reduce hydrocarbon emissions from kiln.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-E  
 EPA Memoranda of Meetings and Telephone Conversations With Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-30	Telecon and attachment, J. Wood, EPA:OAQPS:ESD:ISB, to Docket, July 11, 1994, Telephone conversation with J. Kilgroe, EPA:ORD, regarding dioxin/furan formation in cement kilns. Attachment: information on PCDD/PCDF formation and control.
II-E-31	Telecon and attachment, J. Wood, EPA:OAQPS:ESD:ISB, to Docket, July 25, 1994, Record of telephone conversation with M. Vardeman of Rinker Materials, Miami, regarding roasting of petroleum contaminated soil, (Attachment: Letter from J. Wood to M. Vardeman to follow-up January 20, 1994 conversation).
II-E-32	Memorandum, J. Wood, EPA:OAQPS:ESD:ISB, to K. Durkee, EPA:OAQPS:ESD:SDS, October, 13, 1994, Revised minutes for the August 2, 1994 meeting between EPA and American Portland Cement Alliance.
II-E-33	Telecon and attached transmittal letter, J. Wood, EPA:OAQPS:ESD:ISB, to D. Ainsworth, Cameron Carbon, October 31, 1994, Potential use of activated carbon injection as control technology for dioxin/furans and mercury in cement kiln exhaust, as basis for developing MACT standards for the cement manufacturing industry.
II-E-34	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, March 23, 1995, Minutes of the February 1995 EPA/Portland Cement Industry Meeting.
II-E-35	Memorandum and attachment, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, June 6, 1995, Minutes of the May 4, 1995 meeting between EPA and PCA members.
II-E-36	Memorandum and attachment, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, July 11, 1995, Minutes of the June 1995 Portland Cement Manufacturing Presumptive MACT Meeting with State and Local Agencies.
II-E-37	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG January 19, 1996, Minutes of the November 8, 1995 EPA/Portland Cement Industry meeting.
II-E-38	Letter, A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, May 21, 1996, Comments on minutes of the November 1995 meeting.
II-E-39	Memorandum and attachments, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, August 21, 1996, Minutes of the July 1996 EPA/Portland Cement Industry meeting.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-E  
EPA Memoranda of Meetings and Telephone Conversations With Outside Persons

<u>Document No.</u>	<u>Description</u>
II-E-40	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, September 17, 1996, Minutes of the August 1996 EPA/Portland Cement Industry meeting.
II-E-41	Memorandum, E. Heath, RTI, to J. Wood, EPA:ESD:MICG, October 9, 1996, Minutes of the September 1996 EPA/Portland Cement Industry meeting.
II-E-42	Memorandum, D. Green, RTI, to J. Wood, EPA:ESD:MICG, November 22, 1996, Summary of the October 29, 1996 Meeting with the American Portland Cement Alliance.
II-E-43	Memorandum and attachment, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, January 15, 1998, Summary of the December 16, 1997 EPA/PCA Meeting on PM CEMs (Attached is tentative agenda and test protocol [draft], Application of Particulate Continuous Emission Monitors to Portland Cement Pyroprocessing Sources, dated December 16, 1997).
II-E-44	Telephone Contact Summary, E. Heath, RTI, with M. Cawthray, Holnam Incorporated, January 19, 1998, discussion of process flow diagrams sent to EPA for the Holnam Texas plant.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-F  
 Interagency Review Materials

<u>Document No.</u>	<u>Description</u>
II-F-1	Memorandum and attachments, R. Myers, EPA:TSD:EIB, to M. Johnson, EPA:OAQPS:ESD:ISB, July 10, 1992, Comments on draft emission test requests for Blue Circle Cement and Holnam, Incorporated, Cement Plants, (Attachments: Memorandum, G. Carter, RTI to M. Johnson, EPA:OAQPS:ESD:ISB, June 19, 1992, Recommendation for emission tests at Giant Cement Company, Harleyville, S.C. and Memorandum, G. Cater, RTI, to M. Johnson, EPA:OAQPS:ESD:ISB, July 24, 1992, Request for emissions testing at Holnam, Incorporated, Holly Hill, S.C).
II-F-2	Facsimile and attachment, B. Cuthbertson, EPA:WMD:OSW to M. Johnson, EPA:OAQPS:ESD:ISB, October 19, 1993, Review of the Hazardous Waste Minimization Discussion Document for the Hazardous Waste Minimization and Combustion Strategy, (Attachment: Draft Discussion Document for National Roundtable on Waste Minimization, EPA:OSW, October 19, 1993).
II-F-3	Facsimile and attachments, K. Levy, EPA:OAR, to J. Weigold, EPA:OAQPS, November 8, 1995, Request Comments on the Draft Response to Congressional questions about MACT standards, (Attachment: Letter, J. Barton, U.S. House of Representatives, to M. Nichols, EPA, October 10, 1995, Questions about subcommittee testimony about MACT standards; Letter, E. Laws, EPA, to J. Barton, Responses to subcommittee questions on MACT standards).
II-F-4	Memorandum and attachments, M. Nichols, EPA:OAR, to D. Gardiner, EPA:OPPE, April 14, 1997, Request submission of the package containing proposed rulemaking for Office of Management and Budget (OMB) review.
II-F-5	Memorandum and attachments, J. Wood, EPA:OAQPS:MICG, to Docket, September 10, 1997, Changes made to the draft proposal preamble and regulation as a result of OMB review.
II-F-6	Letter and attachment, J. Crowder, EPA:OAQPS:ESD:MICG, to A. Fraas, EPA:OMB, September 22, 1997, Enclosing copy of revised signature package (For copy of attachment, see III-A-1).

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-1	Brochure, Perkin Elmer, MCS 100 HW Multi-Component Emission Monitoring System, undated.
II-I-2	Brochure, DynaWave® Engineered Scrubbing Systems, Cement Kiln Offgas Test Results; and SO <sub>2</sub> Removal Using Limestone, Caustic and Hydrated Lime, undated.
II-I-3	Paper, E. Hansen, Ash Grove Cement Company, “Reduction of clinker alkali and SO <sub>2</sub> and NO <sub>x</sub> emissions from preheater kilns,” undated.
II-I-4	ASTM Specification, Standard Specification for Air-entraining Portland Cement, Designation C 175-61, 1961.
II-I-5	Book, Kirk-Othmer Encyclopedia of Chemical Technology, Third Edition, Volume 5, 1979, pp. 163-193.
II-I-6	Book, Chemical Process Industries, Chapter 10, 1984, pp. 170-192.
II-I-7	Paper, The Use of Carbon Monoxide and Other Gases for Process Control, E. Hansen, Ash Grove Cement Company, submitted for the I.E.E.E. Conference, December 21, 1984.
II-I-8	Report, Waste Tire Utilization, R. Hershey, M. Waugh, and E. Hanny, Science Management Corporation, prepared for U.S. Department of Energy, Office of Industrial Programs, contract no., AC01-84CE40714, April 30, 1987, pp. 18-24.
II-I-9	Construction permit no. 0900-0002-CF, Giant Cement Company, Harleyville plant, issued by South Carolina Department of Health and Environmental Control (with SC DHEC transmittal letter), October 13, 1987.
II-I-10	Permit to operate no. 4401, RMC Lonestar, Davenport Cement Plant, issued by Monterey Bay Unified Air Pollution Control District, April 1, 1988.
II-I-11	Construction permit no. 1860-0005-CA, Santee Portland Cement Company, Holly Hill plant, issued by South Carolina Department of Health and Environmental Control (with SC DHEC transmittal letter), September 16, 1988.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-12	Report, Rinker Portland Cement Corporation, Stack Test for Total Gaseous Non-Methane Organic Compounds, Kilns 1 and 2, South Florida Environmental Services, Incorporated, November 29 and December 6, 1989.
II-I-13	Senate Report No. 228, 101st Congress, 1st Session, December 20, 1989, pp. 155-156.
II-I-14	Air contaminant discharge permit application review report, Ash Grove Cement West, Incorporated, permit number 01-0029, application no. 12326, Oregon Department of Environmental Quality, Air Quality Control Division, March 1990.
II-I-15	Article, New way to burn hazardous waste, E. Hansen, Ash Grove Cement, Company, Rock Products, April 1990, pp. 41-43.
II-I-16	Final report, Scrap tire use/disposal study, Scrap Tire Management Council, A. Kearney, September 11, 1990.
II-I-17	Letter, B. Rakes, Roanoke Cement Company, to D. Shepherd, Virginia Department of Air Pollution Control, September 12, 1990, Emissions testing to be performed while the kiln burns coal and whole tires.
II-I-18	Paper, Evaluation of HCl Measurement Techniques at Municipal and Hazardous Waste Incinerators, S. Shanklin and S. Steinsberger, Entropy Environmentalists, and T. Logan and R. Rollins, EPA:AREAL, Proceedings of the Air and Waste Management Association Specialty Conference-Continuous Emission Monitoring: Present and Future Applications. SP-71, 1990.
II-I-19	Report, Summary of Particulate Matter, VOC, SVOC, Furans and Dioxins, SO <sub>2</sub> , NO <sub>x</sub> , Metals, and Visible Emissions Measurements, prepared by Koogler and Associates Environmental Services, prepared for Central Power and Lime, Incorporated, Brooksville, Florida, tested September 18-24, 1990, report dated November 20, 1990.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-20	Paper, Behavior of Toxic Metals in Cement Kilns, J. Chadbourne, Systech Environmental Corporation, for the Portland Cement Association: Emerging Technologies in Resource Recovery and Emission Reduction in the Cement Industry, Dallas, TX, September 19-20, 1990.
II-I-21	Letter, R. Goetz, Commonwealth of Virginia Department of Air Pollution Control, to B. Rakes, Tarmac-Roanoke Cement Company, October 23, 1990, Response to Tarmac-Roanoke's September 12, 1990 proposal for a test burn firing coal and whole tires in the #5 cement kiln.
II-I-22	Selected pages of US Patent, Method for Energy Recovery from Containerized Hazardous Waste, M. Benoit, E. Hansen, and T. Reese, Cadence Chemical Resources, Incorporated, and Ash Grove Cement Company, December 4, 1990.
II-I-23	Memorandum and attachments, R. Goetz, Commonwealth of Virginia, Department of Air Pollution Control, to File, December 17, 1990, Stack emissions testing during a trial tire burn in kiln #5 at Tarmac-Roanoke Cement Company.
II-I-24	Paper, Control of Mercury and Dioxin Emissions from United States and European Municipal Solid Waste Incinerators by Spray Dryer Absorption Systems, B. Brown, Joy Technologies Incorporated, and K. Felsvang, A/S Niro Atomizer, presented at the International Conference on Municipal Waste Combustion, 1991.
II-I-25	Report, Rubber Tire Chip Trial Burn at Holnam, Incorporated, Stack Testing and Chemical Analysis, Volumes 1 and 2, State of Washington, Department of Ecology, testing conducted October 1990, report dated January 23, 1991.
II-I-26	Brochure, The Passamaquoddy Technology Recovery Scrubber, International Cement Review, March 1991.
II-I-27	Letter and attachment, J. Wright, ETS, Incorporated, to R. Rakes, Tarmac-Roanoke Cement Company, March 7, 1991, Enclosing Air Emissions Test Report (dated March 6, 1991) for Trial Tire Burn at Roanoke Cement Company (Cloverdale, VA).
II-I-28	Article, Metal emissions are predictable, M. von Seebach and J. Tompkins, Rock Products, April 1991, pp. 31-35.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-29	Report, Air emissions associated with the combustion of scrap tires for energy recovery, Ohio Air Quality Development Authority, Malcolm Pirnie, Incorporated, May 1991.
II-I-30	Paper, SO <sub>2</sub> Emissions History and Scrubbing System, Santa Cruz Plant, CA, RMC Lonestar, S. Sheth, RMC Lonestar, for presentation at the 33rd IEEE Cement Industry Conference, May 1991.
II-I-31	Memorandum, R. Goetz, Commonwealth of Virginia, Department of Air Pollution Control, to File, May 23, 1991, Stack emissions testing during a tire burn in kiln #5 at Tarmac-Roanoke Cement Company.
II-I-32	Letter and attachments, J. Wright, ETS, Incorporated, to R. Rakes, Tarmac-Roanoke Cement Company, May 24, 1991, Enclosing copies of the report entitled "Air Emissions Test Report for Trial Tire Burn Retest at Roanoke Cement Company," testing conducted May 8 through 10, 1991, report dated May 23, 1991.
II-I-33	Selected Pages of Report, Air Emissions Test Report for Trial Tire Burn Retest at Roanoke Cement Company Cloverdale, Virginia, ETS, Incorporated, test date May 8 and 9, 1991, report dated May 29, 1991.
II-I-34	Memorandum, R. Goetz, Commonwealth of Virginia, Department of Air Pollution Control, to W. Davis, Commonwealth of Virginia, Department of Air Pollution Control, June 5, 1991, Tire burning at Roanoke Cement Company.
II-I-35	Memorandum, R. Goetz, Commonwealth of Virginia, Department of Air Pollution Control, to File, July 1, 1991, Tire burning stack test results.
II-I-36	Report addendum, Air Emissions Test Report for Trial Tire Burn Retest at Roanoke Cement Company, Cloverdale, Virginia, Addendum A, Prepared by ETS, Incorporated, July 10, 1991.
II-I-37	Article, Pulse-Jet Baghouses for Utility Applications, R. Chang, EPRI Journal, July-August, 1991, pp. 34-37.
II-I-38	Memorandum, D. Shepherd, Commonwealth of Virginia, Department of Air Pollution Control, to Roanoke Cement Tire Burning File, September 13, 1991, Permitting strategies relative to tire consumption rate.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-39	Letter and attachment, R. Menebroker, California Air Resources Board, Project Assessment Branch, to M. Gildart, California Air Resources Board, Advanced Technologies Branch, October 21, 1991, Analysis of the air quality impacts of using waste tires as a fuel supplement for various processes including cement kilns.
II-I-40	Report, Source Emissions Survey of Essroc Materials, Incorporated, Eastern Division–Cement Group, Kilns number 1 and 2 Stack, Frederick, Maryland, Volumes 1, 2, and 3, (testing conducted November 1991), report dated November 1991.
II-I-41	Letter and attachments, J. Wiest, Kaiser Cement, to B. Nishimura, Bay Area Air Quality Management District, November 4, 1991, Results of Benzene Testing Performed at Permanente.
II-I-42	Report, US and Canadian Portland Cement Industry: Plant Information Summary, Portland Cement Association, December 31, 1991.
II-I-43	Book, Air Pollution Engineering Manual, A. Buonicore and W. Davis, editors, Air and Waste Management Association, Chapter 15, "Portland Cement," 1992, pp. 746-766.
II-I-44	Report, An Analysis of Selected Trace Metals in Cement and Kiln Dust, Portland Cement Association, 1992.
II-I-45	NIOSH Recommendations for Occupational Safety and Health: Compendium of Policy Documents and Statements. U.S. Department of Health and Human Services. National Institute for Occupational Safety and Health, January 1992, p. 124.
II-I-46	Paper, Factors Influencing Hydrocarbon Emissions from Cement Kilns, K. Hastings and M. Hereth, Radian Corporation, Air and Waste Management Association International Specialty Conference on New RCRA Regulations for Industrial Boilers, Furnaces and Incinerators, Orlando, Florida, March 1992.
II-I-47	Report, Tires as a Fuel Supplement: Feasibility Study, California Integrated Waste Management Board, January 1992.
II-I-48	Report, Cement kiln recycling is safe and regulated, Cement Kiln Recycling Coalition (CKRC), Petroleum/Chemical Manufacturers Roundtable, CKRC Regulatory Technology Seminar, New Orleans, January 27, 1992.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-49	Article, An efficiency boost for size reduction, I. Klumpar, Badger Engineers, Incorporated, Chemical Engineering, March 1992, pp. 106–112.
II-I-50	Paper, ASTM Standard Specification for Portland Cement, Designation C 150-92, March 15, 1992.
II-I-51	Article, Tire power is fire power, E. Hansen, Ash Grove Cement, Company, Rock Products, April 1992, pp. 29-31.
II-I-52	Technical paper, Pulse Energization: A Precipitator Performance Upgrade Technology Following Low Sulfur Coal Switching, K. Kumar and P. Feldman, Research-Cottrell Companies, P. Jacobus, Madison Gas & Electric, American Power Conference, Chicago, April 1992.
II-I-53	Letter and attachments, S. Spaw, Texas Air Control Board, to R. Franklin, Lone Star Industries, Incorporated, Permit amendments, April 2, 1992.
II-I-54	Report, Raw Grind/Dryer Baghouse Collector 2260 Outlet Volatile Organic Compound Emissions Speciation Study at Lafarge Corporation, Alpena, MI, Clayton Environmental Consultants, Incorporated, May 20, 1992.
II-I-55	Article, Disposal Options Kindle Cement Kiln, Incinerator Competition, M. Melody, Hazmat World, June 1992, pp. 28-34.
II-I-56	Letter and attachment, J. Wiest, Kaiser Cement, to B. Nishimura, Bay Area Air Quality Management District, June 5, 1992, AB 2588 Information for Permanente (Plant #17): 1) Average Results of One Year's Benzene Testing, and 2) PRO Forms for new Finish Mill Equipment.
II-I-57	Certificate of analysis, Metals Analysis of Maryneal plant kiln dust, General Engineering Laboratories, June 9, 1992.
II-I-58	Letter and attachment, W. Campbell, Texas Air Control Board to R. Franklin, Lone Star Industries, Incorporated, June 22, 1992, Permit Amendment.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-59	Test Report, Trial Burn and Certification of Compliance Test Report for Continental Cement Company, Hannibal, Missouri, Gossman Consulting, Incorporated and Clean Air Engineering, July 1992.
II-I-60	Article, New patents may turn whole scrap tires into commodity, Environment Today, September 1992, p. 12.
II-I-61	Report, Scrap Tire Use/Disposal Study 1992 Update, A. Kearney, Scrap Tire Management Council, October 1992.
II-I-62	Permits no. 48-309-027c and 48-309-027b. Permit no. 48-309-027C (for a preheater kiln and roller mill vented to a scrubber at the Nazareth, Pennsylvania plant no. 1), transmitted to W. Emmer, ESSROC Materials, Incorporated, issued by T. DiLazaro, Commonwealth of Pennsylvania, Department of Environmental Resources (Bureau of Air Quality Control), November 1992. Permit no. 48-309-027B (for a preheater kiln and roller mill vented to an ESP and fabric filter and a clinker cooler vented to a fabric filter) at the Nazareth, Pennsylvania plant no. 1), transmitted to F. Streitman, ESSROC Materials, Incorporated, issued by T. DiLazaro, Commonwealth of Pennsylvania, Department of Environmental Resources (Bureau of Air Quality Control), plan approved August 21, 1990.
II-I-63	Test report, Report on Diagnostic Testing, Conducted at: Continental Cement Company, Incorporated—Hannibal, Missouri, December 15, 1992.
II-I-64	Paper, Metal Equilibration and Process Capture Efficiencies in Cement Kilns, D. Gossman, J. Woodford, R. Gossman and S. Gossman, Gossman Consulting, Incorporated, and D. Constans, Combustion Performances Services, Incorporated, from Conference on Waste Combustion in Boilers and Industrial Furnaces, Clearwater, Florida, March 1993, pp. 247-252.
II-I-65	Article, Economic Indicators, Chemical Engineering, May 1993.
II-I-66	Paper, How BIF Regulations Have Changed Our Operations, C. Douvre, Lafarge Corporation, presented at the Air & Waste Management Association Conference on Waste Combustion in Boilers and Industrial Furnaces, Clearwater, Florida, March 1993, pp. 261-269.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-67	Paper, Suitability of Hydrocarbon and Carbon Monoxide Measurement as Combustion Indicators in Cement Kilns, J. Woodford and D. Gossman, Gossman Consulting, Incorporated, R. Jameson, Holnam, Incorporated, et al., presented at the Air & Waste Management Association Conference on Waste Combustion in Boilers and Industrial Furnaces, Clearwater, Florida, March 1993, pp. 287-298.
II-I-68	Paper, Hydrocarbon Emissions from Cement Kilns Burning Hazardous Waste, R. Schreiber and K. Strubberg, Schreiber, Grana & Yonley, Incorporated, presented at the Air & Waste Management Association Conference on Waste Combustion in Boilers and Industrial Furnaces, Clearwater, Florida, March 1993, pp. 275-286.
II-I-69	Paper, Hydrochloric Acid Emissions Testing from Cement Kilns: Sampling and Analytical Interferences, L. Kinner, Entropy Environmentalists, Incorporated, presented at the Air & Waste Management Association Conference on Waste Combustion in Boilers and Industrial Furnaces, Clearwater, Florida, March 1993.
II-I-70	Paper, Burning Hazardous Waste in Cement Kilns: A Study of Emissions, Offsite Concentrations, and Health Effects in Midlothian, Texas, K. Kelly, and C. Beahler, Environmental Toxicology International, Incorporated, paper presented at symposium by the Air and Waste Management Association Conference on Waste Combustion in Boilers and Industrial Furnaces, Clearwater, Florida, March 1993, pp. 86-117.
II-I-71	Paper, J. Noblett, et al, Radian Corporation, and D. Owens, Electric Power Research Institute, Control of Air Toxics from Coal-Fired Power Plants Using FGD Technology, Second International Conference on Managing Hazardous Air Pollutants, Washington, D.C., July 1993.
II-I-72	Article, Effective Selection of Filter Dust Collectors, M. Croom, Staclean Diffuser Company, Chemical Engineering, July 1993, pp. 86-91.
II-I-73	Article, Activated Carbon Adsorption Treats Many Hazardous Organic Wastestreams, J. Fu, Hazmat World, August 1993, pp. 62-68.
II-I-74	Article, Tougher Standards for Burning Hazardous Waste, M. Valenti, Mechanical Engineering, August 1993, pp. 68-72.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-75	Test report, Draft Report on Diagnostic Testing, performed for: Continental Cement Company stack (Hannibal, Missouri), August 18, 1993.
II-I-76	Notice of permit issuance, From M. Williams, Florida Department of Environmental Protection, to J. Jenkins, Rinker Material Corporation, DEP File No. AO 13-234126 (Dade County), September 21, 1993.
II-I-77	Test report, Dioxin Testing Waste Dust Analysis, for Continental Cement Company, Incorporated, Hannibal Missouri, October 4, 1993.
II-I-78	Permits Number 12B044-2 and 12B044-1. Construction permit, T. Tistic and J. Geier, Colorado Department of Health, New Source Review Section, Air Pollution Control Division, to Southdown, Incorporated, Permit Number 12BO444-2 (for a rotary kiln with flash calciner and clinker cooler), December 17, 1993. Construction permit, T. Tistic and J. Geier, Colorado Department of Health, New Source Review Section, Air Pollution Control Division, to Southdown, Incorporated, Permit Number 12BO444-1 (for a limestone dryer burning natural gas as the primary fuel), December 17, 1993.
II-I-79	Paper, Role of Combustion and Sorbent Parameters in Prevention of Polychlorinated Dibenzo-p-dioxin and Polychlorinated Dibenzofuran Formation during Waste Combustion, B. Gullett and P. Lemieux, EPA:AEERL, and J. Dunn, University of Arkansas, Department of Mathematical Sciences, Environmental Science & Technology, vol. 28, no. 1, 1994, pp. 107-118.
II-I-80	Paper, Sorption of Elemental Mercury by Activated Carbons, S. Krishnan, and W. Jozewicz, Acurex Environmental Corporation, and B. Gullett, EPA:AEERL, Environmental Science & Technology, vol. 28, no. 8, 1994, pp. 1506-1512.
II-I-81	Paper, 2,3,7,8- TCDD Equivalent Emissions from Cement Kilns Burning Hazardous Waste, R. Schreiber, Schreiber, Grana and Yonley, Incorporated, and D. Gossman, Gossman Consulting, Incorporated, Source Proceedings of the Air and Waste Management Association International Specialty Conference on Waste Combustion in Boilers and Industrial Furnaces, Kansas City, Missouri, April 1994, pp. 127-134.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-82	Paper, E. Hansen, Ash Grove Cement Company, and D. Pershing, et. al., Reaction Engineering International, An Evaluation of Dioxin and Furan Emissions from a Cement Kiln Co-Firing Waste, Source Proceedings of the Air and Waste Management Association International Specialty Conference on Waste Combustion in Boilers and Industrial Furnaces, Kansas City, Missouri, April 1994, pp. 135-176.
II-I-83	Article, Economic Indicators, Chemical Engineering, May 1994, p. 206.
II-I-84	Article, Artificial Intelligence Cements its Position at Lafarge, B. Sperber, Control, February 1994, pp. 32-34.
II-I-85	Test report, Emissions Update Report Relating to BIF Emissions Controls, for Continental Cement Company, Incorporated, Hannibal Missouri, February 14, 1994.
II-I-86	Test report, Report on Polychlorinated Dibenzop-dioxins and Polychlorinated Dibenzofurans Testing, conducted at Continental Cement Company, Incorporated–Cement Kiln Stack, Hannibal, Missouri, report dated February 25, 1994.
II-I-87	Test report, Report for the Test Burn on Kiln No. 1–Ash Grove Cement Company, Chanute, Kansas, March 1994.
II-I-88	Test report, Report for the Test Burn on Kiln No. 2–Ash Grove Cement Company, Chanute, Kansas, April 1994.
II-I-89	Paper, A Review of Title V Operating Permit Application Requirements Caused by the Use of Waste-derived Fuel at Cement Plants, R. Yarmac, SCI-TECH, Incorporated, presented at the Air & Waste Management Association Symposium entitled International Specialty Conference on Waste Combustion in Boilers and Industrial Furnaces (Kansas City, Missouri), April 1994, pp. 32-40.
II-I-90	Report, Organic Emissions Speciation and Risk Assessment Report, for Lafarge Corporation--Alpena, Michigan Plant, prepared by Radian Corporation, May 1994.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-91	Paper and attachments, Importance of Method Detection Limits in Air Pollutant Measurements, N. Adams, EPA:AEERL, Presented at the EPA/Air and Waste Management Association International Symposium on Measurement of Toxic and Related Air Pollutants, May 3–6, 1994, (Attachments: Statistics of detection limits; Review by J. Castellana of “Estimation of the sample mean and standard deviation for data subject to detection limits,” written by K. Rowe; Review by J. Castellana of “Confidence Bands for percentiles in the linear regression model,” written by D. Thomas; Appendix B to Federal Register 40 Part 136 - Definition and procedure for determination of the method detection limit - revision 1.11, 1983, pp. 565-567.
II-I-92	Conference paper, An Economic Approach to Controlling Acid Gases, Mercury, and Dioxin from MWCs, A. Licata, Licata Energy & Environmental Consultants, Incorporated, M. Babu, Dravo Lime Company, L. Nethe, Märker Umwelttechnik, 16th ASME Biennial National Waste Processing Conference & North American Waste-to-Energy Conference, Boston, June 5-8, 1994.
II-I-93	Report, Review of Entropy, Incorporated's Portland Cement Emission Test Report for Dragon Products Company Facility, Thomaston, Maine, PSM International, Incorporated, June 10, 1994.
II-I-94	Test report and attachment, Emission Test Report: Emission Measurements for PCDD/PCDFs, from a Dry Process Cement Kiln #3—Medusa Cement Company, Wampum, PA, June 17, 1994. (Attachment: EnviroCare International Evaporative Gas Conditioning System Equipment and Services Proposal to Medusa Cement Company for Wampum PA plant, dated August 18, 1994).
II-I-95	Paper (ADA Publication), Improved Particle Collection in ESPs and Baghouses through the Use of Agglomerating Agents, M. Durham, J. Bustard, T. Ebner, R. Schlager, and S. Sjostrom, ADA Technologies, Incorporated, for presentation at the 87th Annual Meeting and Exhibition of the Air & Waste Management Association, Cincinnati, Ohio June 19-24, 1994.
II-I-96	Test report, Final Report—RCRA Trial Burn Report for Kiln Nos. 1 and 2 (Volume I): Ash Grove Cement Company (Chanute, Kansas, Waste-derived Fuel Facility), July 15, 1994.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-97	Paper, Sorbent Injection for Dioxin/Furan Prevention and Mercury Control, B. Gullett, EPA:AERL, and S. Krishnan, Acurex Environmental Corporation, Multipollutant Sorbent Reactivity Workshop, EPA:AERL, Research Triangle Park, NC, July 19-20, 1994.
II-I-98	Article, Developing Mercury Removal Methods for Power Plants, R. Chang and D. Owens, Electric Power Research Institute, Generation Group, EPRI Journal, July/August 1994, pp. 46-49.
II-I-99	Section 5 (EPA Guidebooks) from Report, Cement Industry Task Force on Hazardous Air Pollutants, October 1994 through December 1995, (EPA Guidebooks include: "Preparation and Review of Emission Test Reports" and "Preparation and Review of Site Specific Test Plans").
II-I-100	Test report, Ash Grove Cement Company Main Cement Kiln Stack, Seattle, Washington, September 26-27, 1994, AmTest-Air Quality, Incorporated, December 15, 1994.
II-I-101	Report, U.S. and Canadian Portland Cement Industry: Plant Information Summary, December 31, 1994.
II-I-102	Article, Mechanisms of Formation and Destruction of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans in Heterogeneous Systems, R. Addink and K. Olie, Department of Environmental and Toxicological Chemistry, Amsterdam Research Institute for Substance in Ecosystems, University of Amsterdam, Environmental Science & Technology, vol. 29, no. 6, 1995, pp. 1425-1435.
II-I-103	Test report, Ash Grove Cement Company Cement Kiln Precipitator Stack, Montana City, Montana, September 29-30, 1994, AmTest-Air Quality, Incorporated, January 3, 1995.
II-I-104	Report, Dioxin Emission Results From Recent Testing, prepared by Rigo and Rigo Associates, Incorporated, and Schreiber, Grana, and Yonley, Incorporated, prepared for Cement Kiln Recycling Coalition, Washington, DC, February 6, 1995.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-D-105	Report, Test Plan to Perform HAPs Test Program at Capitol Aggregates Facility in San Antonio, Texas, prepared for Capitol Aggregates, Incorporated, prepared by Radian Corporation, February 15, 1995.
II-I-106	Manual, MACT Emission Testing Companion Document: Documentation and Evaluation of Process and Air Pollution Control Equipment Operation, Air Control Techniques, P.C. (under contract to Entropy, Incorporated), prepared for Portland Cement Association, March 6, 1995, and presented at the Air Toxics-Stack Testing Workshop, HAPS Task force, Cement Industry Task Force on Hazardous Air Pollutants, March 15, 1995 and April 19, 1995.
II-I-107	Paper, Dioxin Emissions and Cement Kiln Operations, R. Schreiber, and J. Evers, Schreiber, Grana & Yonley, Incorporated, W. Winders, Continental Cement Company, Incorporated, March 29, 1995.
II-I-108	Report, U.S. Cement Industry Fact Sheet, Thirteenth Edition, June 1995.
II-I-109	Air Chief, Version 4.0, Chapter 11.6, Portland Cement Manufacturing, July 1995.
II-I-110	Report, Hazardous Air Pollutants Test Protocol and Quality Assurance Project Plan, prepared for Lone Star Industries, Incorporated, Oglesby, Illinois, prepared by Gossman Consulting, Incorporated, July 13, 1995.
II-I-111	Paper (ADA publication no. 95008), Demonstration of Novel Additives for Improved Fabric Filter Performance, C. Bustard, K. Baldrey, T. Ebner, S. Sjostrom, and R. Slye, ADA Technologies, Incorporated, August 15-18, 1995.
II-I-112	Paper (ADA publication no. 95013), Experience with 145 MW(e) COHPAC Demonstration, C. Bustard, S. Sjostrom, ADA Technologies, Incorporated, A. Hindocha, A. Casey, B. Browning, TU Electric, T. Grubb, Grubb Filtration Testing Services, and R. Chang, Electric Power Research Institute, Presented at EPRI/DOE International Conference on Managing Hazardous and Particulate Air Pollutants, Ontario, August 15-17, 1995.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-113	Article, Explore New Options for Hazardous Air Pollutant Control, R. McInnes, ENSR Consulting and Engineering, Chemical Engineering Progress, November 1995, pp. 36-47.
II-I-114	Article, Controlling Dioxin Emissions, J. Griffith and D. Pitts, Focus Environmental, Incorporated, Pollution Engineering, November 1995, pp. 50-53.
II-I-115	Test plan, Emissions Test Plan for Measurement of Hazardous Air Pollutants from a Cement Kiln Firing Iron-Rich Fines at Independent Cement Corporation (Hagerstown, Maryland), Advanced Technology Systems, Incorporated, November 1995.
II-I-116	Test Report, Hazardous air pollutants test report, Prepared for Lone Star Industries, Incorporated, Oglesby, Illinois, volume I and II, prepared by Gossman Consulting, Incorporated, November 1995.
II-I-117	Report, US Cement Industry Fact Sheet, Fourteenth Edition, Portland Cement Association, 1996.
II-I-118	Article, Portland Cement Association, Executive Report, 1994 plant information summary: capacity edges upward with modernizations and expansions, January 22, 1996.
II-I-119	Draft Report, Report to the Portland Cement Association on Mercury Emissions Data Quality from Testing at Cement Kilns, D. Grossman, Grossman Consulting, Incorporated, February 23, 1996.
II-I-120	Test report, Draft, HAPs Test Report for Lehigh Portland Cement Company, Union Bridge, Maryland Facility, Radian Corporation, April 1, 1996.
II-I-121	Paper, Hot-Wet Instrumental Hydrogen Chloride Emissions Quantification Using GFCIR–Method Validation and Comparison, J. Powell, CPS Environmental Services, and E. Dithrich, Air Pollution Characterization and Control, Limited, May 1996.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-I  
References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-122	Letter and attachments, E. Kulesza, Riverside Cement Company, to A. Dougherty, Portland Cement Association, May 10, 1996, Enclosing Certification of Compliance, Source Test Report Using Tire-Derived Fuel, Volumes 1, 2, 3A, 3B, and 4, Riverside Cement Company, Oro Grande Facility, dated August 1995.
II-I-123	Report, Compilation Of Cement Industry Air Emissions Data for 1989 to 1996, prepared by Air Control Techniques, P.C., for HAPs Task Force, Portland Cement Association, September 1996.
II-I-124	ASTM Publication, Computerized Quantitative Infrared Analysis, ASTM Special Technical Publication 934, ASTM Publication Code Number 04-934000-39, January 1987.
II-I-125	Paper, An Evaluation of Current Instrumentation for Continuous Monitoring of Hydrogen Chloride Emissions from Waste Incinerators, R. Rollins, T. Logan, and M. Midgett, US EPA, presented at the 81 <sup>st</sup> Annual Meeting of the Air Pollution Control Association, Dallas, TX, June 1988.
II-I-126	ASTM Designation, Standard Practices for General Techniques of Infrared Quantitative Analysis, E 168-88, July 1988, pp. 9-23.
II-I-127	Paper, The Coblenz Society Specifications for Evaluation of Research Quality Analytical Infrared Spectra (Class II), Analytical Chemistry, volume 47, number 11, September 1975, pp. 945A - 951A.
II-I-128	Paper, Coblenz Specifications for Infrared Reference Spectra of Materials in the Vapor Phase above Ambient Temperature, Applied Spectroscopy, volume 44, number 2, 1990, pp. 211-215.
II-I-129	ASTM Designation, Standard Practice for General Techniques for Qualitative Infrared Analysis, E 1252-88, August 1988, pp. 402-410.
II-I-130	Book, Physical Chemistry, 4 <sup>th</sup> edition, G. Barrow, McGraw-Hill Book Company, Chapter 12 (Symmetry and Group Theory), Chapter 13 (Theory of Chemical Bonding), and Chapter 14 (Experimental Study of Molecular Structure: Spectroscopic Methods), 1979.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-131	Paper, Multivariate Least-Square Methods Applied to the Quantitative Spectral Analysis of Multicomponent Samples, D. Haaland, R. Easterling, and D. Vopicka, Sandia National Laboratories, Applied Spectroscopy, volume 39, number 1, 1985, pp. 73-84.
II-I-132	Appendix A to 40 FR 63, Method 301--Field Validation of Pollutant Measurement Methods from Various Waste Media, July 1, 1996, pp. 1085-1093.
II-I-133	Paper, Predicting Dew Points of Flue Gases, F. Verhoff and J. Banchemo, University of Notre Dame, Chemical Engineering Progress, vol. 70, no. 8, August 1974, pp. 71-72.
II-I-134	Report, Commercial BIF Compliance Test Results - 1992, Gossman Consulting, Incorporated, 1993, pp. 30224-27 and 30224-28.
II-I-135	Test report, Ash Grove Cement Company, Louisville, Nebraska Waste-Derived Fuel Facility, Report of RCRA Trial Burn for Kiln No. 2, May, 1995, volume I of IV, report dated August 1995.
II-I-136	Paper, Pilot Scale Evaluation of Activated Carbon for the Removal of Mercury at Coal-fired Utility Power Plants, R. Chang, EPRI, et al, Second International Conference on Managing Hazardous Air Pollutants, Washington DC, July 1993.
II-I-137	Letter, R. St. Louis, Commonwealth of Pennsylvania Environmental Resources, to Data File on Essroc Materials Incorporated Nazareth plant, December 7, 1992, Source Test Review of Particulate and NO <sub>x</sub> Emissions Testing Conducted in the Fall 1992.
II-I-138	Paper, The Effect of the Rate of Cooling of Combustion Products in the Furnace on the Formation of Sulphur Trioxide, T. Moiseeva and V. Podolyak, Leningrad Polytechnic Institute, Teploenergetika volume 20, number 11, 1973, pp. 14-17.
II-I-139	Book, A Manual of Electrostatic Precipitator Technology, Part II - Application Areas, prepared by Southern Research Institute, August 25, 1970, p. 634 and 639.
II-I-140	Letter and attachment, W. Hartshorn, Sonic Development Corporation, to D. Coy, RTI, December 22, 1980, SONICOOL Evaporative Gas Cooling Systems Brochure.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-141	Paper, Permanent Differences in Unemployment and Permanent Wage Differentials, J. Adams, University of Florida, Quarterly Journal of Econometrics, volume 100, number 1, 1985, pp. 29-56.
II-I-142	Paper, Equilibrium Earnings, Turnover, and Unemployment: New Evidence, R. Topel, University of Chicago, Journal of Labor Economics, volume 2, number 4, 1984, pp. 500-522.
II-I-143	Paper, A Semiparametric Structural Analysis of the Idling of Cement Kilns, S. Das, Indiana University, Journal of Econometrics, volume 50, 1991, pp. 235-256.
II-I-144	Paper, A Micro-Econometric Model of Capital Utilization and Retirement: The Case of the U.S. Cement Industry, S. Das, Indiana University, Review of Economic Studies, volume 59, 1992, pp. 277-297.
II-I-145	Paper, The Nature and Source of Economics of Scale in Cement Production, M. McBride, Tulane University, Southern Economics Journal, volume 48, number 1, 1981, pp. 105-115.
II-I-146	Paper, Market Estimates of Worker Dislocation Costs, D. Anderson and R. Chandran, RTI, Economics Letters, volume 24, 1987, pp. 381-384.
II-I-147	Book, Researches into the Mathematical Principles of the Theory of Wealth, A. Cournot, 1838.
II-I-148	Paper, Operating Costs of US Cement Plants, R. Huhta, Rock Products, 1992, pp. 29-31.
II-I-149	Paper, Pricing Strategies in Supergames with Capacity Constraints: Some evidence from the U.S. portland cement industry, T. Iwand and D. Rosenbaum, University of Nebraska-Lincoln, International Journal of Industrial Organization, volume 9, 1991, pp. 497-511.
II-I-150	Paper, Market Structure and Import Share: A Regional Market Analysis, D. Rosenbaum and S. Reading, University of Nebraska-Lincoln, Southern Economic Journal, volume 54, number 3, 1988, pp. 694-700.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-151	Report, The U.S. Cement Industry: an Economic Report, Portland Cement Association, October 1974.
II-I-152	Report, 1977 Census of Transportation: Commodity Transportation Survey Summary, U.S. Department of Commerce, Bureau of the Census, June 1981.
II-I-153	Report, Mineral Commodity Summaries 1987, U.S. Department of the Interior, Bureau of Mines, January 1987.
II-I-154	Report, Gray Portland Cement and Cement Clinker from Mexico, U.S. International Trade Commission (USITC), USITC Publication 2305, August 1990.
II-I-155	Report, State Energy Price and Expenditure Report 1990, U.S. Department of Energy, Energy Information Administration, DOE/EIA-0376(90), September 1992.
II-I-156	Report, Cement: Annual Report 1990, W. Johnson, U.S. Department of the Interior, Bureau of Mines, April 1992.
II-I-157	Report, Cement: Annual Report 1991, C. Soloman, U.S. Department of the Interior, Bureau of Mines, April 1993.
II-I-158	Report, Cement: Annual Report 1993, C. Soloman, U.S. Department of the Interior, Bureau of Mines, June 1995.
II-I-159	Report, U.S. Industrial Outlook '92: Business Forecasts for 350 Industries, U.S. Department of Commerce, International Trade Administration, January 1992.
II-I-160	Book, Ward's Business Directory™ of U.S. Private and Public Companies, Gale Research Incorporated, 1994.
II-I-161	Data tables by facsimile, U.S. Department of Labor, Bureau of Labor Statistics, to C. Randall, RTI, May 14, 1995, Average hourly earnings, weekly hours, weekly earnings for SIC 324-Hydraulic Cement in 1993 from Current Employment Statistics: Payroll Survey.
II-I-162	Data table by facsimile, U.S. Department of Labor, Bureau of Labor Statistics, to C. Randall, RTI, August 1, 1995, Average hourly earnings for production workers for SIC 32 by State: annual averages 1990-1994.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-163	Report, U.S. and Canadian 1992 Labor-Energy Input Survey, Portland Cement Association, November 1993.
II-I-164	Report, U.S. and Canadian 1993 Labor-Energy Input Survey, Portland Cement Association, November 1994, pp. 7 and 11.
II-I-165	Report, U.S. and Canadian Portland Cement Industry: Plant Information Summary, Portland Cement Association, December 31, 1995, published November 1996.
II-I-166	Articles, Engineering News Record (ENR) Materials Prices, ENR, January 1983 through December 1993.
II-I-167	Test Report, Ash Grove Cement Company, Foreman, Arkansas Waste-Derived Fuel Facility, RCRA Trial Burn Report and Certification of Compliance for Kiln No. 2, volume I, revision 1 dated January 6, 1993.
II-I-168	Letter and attachment, W. Greer, Ash Grove Cement Company, to M. Gibson, Cement Kiln Recycling Coalition, November 9, 1992, Enclosing excerpts from the test report: Ash Grove Cement Company, Foreman, Arkansas Waste-Derived Fuel Facility, RCRA Trial Burn Report and Certification of Compliance for Kiln No. 1-July 1992, volume I, test report dated October 1992.
II-I-169	Letter and attachment, W. Greer, Ash Grove Cement Company, to M. Gibson, Cement Kiln Recycling Coalition, November 9, 1992, Enclosing excerpts from the test report: Ash Grove Cement Company, Foreman, Arkansas Waste-Derived Fuel Facility, RCRA Trial Burn Report and Certification of Compliance for Kiln No. 3-July 1992, volume I, test report dated November 1992.
II-I-170	Selected pages of a test report, Compliance Emission Testing of Kiln 2 Electrostatic Precipitator at Lafarge Corporation, Great Lakes Region, Paulding, Ohio, June 18, 1991.
II-I-171	Selected pages of a test report, Non-Criteria Pollutant Emissions at the Lebec Cement Plant Rotary Kiln (for testing conducted in June 1992), volume I, test report dated September 1992.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-I  
 References *Not* Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
II-I-172	Selected pages of a test report for stack emission testing conducted in May 1992 at the Lone Star Industries Greencastle, Indiana plant, information dated August 10, 1992.
II-I-173	Selected pages of a summary of results of emission testing conducted in January 1991, at the kiln no. 5 dust collector outlet at the Giant Cement Harleyville, South Carolina plant.
II-I-174	Selected pages of a summary of results of emission testing conducted in July 1991, at the kiln no. 4 baghouse outlet at the Giant Cement Harleyville, South Carolina plant.
II-I-175	Test Report, Report of the Test Burn on Kiln No. 2 Ash Grove Cement Company, Chanute, Kansas, testing conducted in March 1992, test report dated June 23, 1992.
II-I-176	Test report, Report of the Test Burn on Kiln No. 1 Ash Grove Cement Company, Chanute, Kansas, testing conducted in April 1992, test report dated June 23, 1992.
II-I-177	Selected pages of test report, Source Emissions Survey of Medusa Cement Company, Kiln Number 3 Stack, Maximum Waste Fuel Condition, Wampum, Pennsylvania, June 1992.
II-I-178	Selected pages of test report, BIF Certification of Compliance Report for Kilns 1 and 2, Medusa Cement Company, Wampum, Pennsylvania, April 27, 1993.
II-I-179	Excerpts from the test report, Ash Grove Cement Company, Louisville, Nebraska, Waste-Derived Fuel Facility, RCRA Trial Burn Report and Certification of Compliance for Kiln No. 2, volume I, testing conducted in May and August 1992, report dated August 1992.
II-I-180	Selected pages of the test report, Stationary Source Sampling Report, Reference No. 10712, Dixie Cement Company, Knoxville, Tennessee, Emissions Testing for: Chlorine, Hexavalent Chromium, Hydrogen Chloride, Metals, Particulate, and PCDD/PCDF, Kiln Stack, testing conducted in March 1992, report dated June 22, 1992.

Docket No. A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category II  
 Items Considered in Developing Proposal  
 Subcategory II-J  
*Federal Register* Notices

<u>Document No.</u>	<u>Description</u>
II-J-1	56 FR 7134 (Rule), Burning of Hazardous Waste in Boilers and Industrial Furnaces, February 21, 1991.
II-J-2	57 FR 31576-31592, Initial list of categories of sources under section 112(c)(1) of the Clean Air Act Amendments of 1990, July 16, 1992.
II-J-3	60 FR 10654-10691, Standards of Performance for New Stationary Sources and Emission Guidelines for Existing Sources: Medical Waste Incinerators; Proposed Rule, February 27, 1995.
II-J-4	40 CFR 60.60 Subpart F—Standards of Performance for Portland Cement Plants, July 1, 1995.
II-J-5	40 CFR 60.670 Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants, July 1, 1995.
II-J-6	40 CFR 60.30a Subpart Ca—Emissions Guidelines and Compliance Times for Municipal Waste Combustors, July 1, 1995.
II-J-7	60 FR 65382-65387 (Rule), Standards of Performance for Municipal Waste Combustors and Emission Guidelines; Final Rules, Proposed Rule, and Notice, December 19, 1995.
II-J-8	61 FR 17358-17539, Hazardous Waste Combustors; Revised Standards; Proposed Rule, April 19, 1996.
II-J-9	61 FR 28197-28208, National Emission Standards for Hazardous Air Pollutants; Revision of Initial List of Categories of Sources and Schedule for Standards Under Sections 112(c) and (e) of the Clean Air Act Amendments of 1990, June 4, 1996.
II-J-10	61 FR 33415-33421, Standards of Performance for New Stationary Sources of Nonmetallic Mineral Processing Plants; Amendments, June 27, 1996.
II-J-11	61 FR 41991-41992, Compliance Assurance Monitoring, Notice of Public Meeting; Notice of Document Availability, August 13, 1996.
II-J-12	40 CFR 60.50a-60.59a, Subpart Ea—Standards of Performance for Municipal Waste Combustors, July 1, 1995.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category II  
Items Considered in Developing Proposal  
Subcategory II-J  
*Federal Register* Notices

<u>Document No.</u>	<u>Description</u>
II-J-13	62 FR 13775-13785, Hazardous Waste Combustors; Continuous Emission Monitoring Systems; Notice of Data Availability and Request for Comments; Proposed Rule, March 21, 1997.
II-J-14	62 FR 67788-67818, Total Mercury and Particulate Continuous Emission Monitoring Systems; Measurement of Low Level Particulate Emissions; Implementation of Hazardous Waste Combustors; Proposed rule—Notice of Data Availability and Request for Comments, December 30, 1997.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category III  
Proposal  
Subcategory III-A  
Notice of Proposed Rulemaking

Document No.

Description

III-A-1	Signature Package – Proposed Preamble and Regulation – National Emission Standards for Hazardous Air Pollutants; Proposed Standards for Hazardous Air Pollutants Emissions for the Portland Cement Manufacturing Industry, March 9, 1998.
---------	---

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category III  
Proposal  
Subcategory III-C  
*Federal Register* Notices

<u>Document No.</u>	<u>Description</u>
III-C-1	63 FR 14181-14248, National Emission Standards for Hazardous Air Pollutants; Proposed Standards for Hazardous Air Pollutants Emissions for the Portland Cement Manufacturing Industry; Proposed Rule, March 24, 1998.

Docket No. A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-A  
Additional EPA Studies or Contractor Reports

<u>Document No.</u>	<u>Description</u>
IV-A-1	Manual, Continuous Emission Monitoring System Cost Model, Version 3.0, EPA. February, 1998.
IV-A-2	Report, Study of Hazardous Air Pollutant Emissions from Electric Utility Steam Generating Units—Final Report to Congress, volume 1, Publication No. EPA-453/R-98-004a, February 1998.
IV-A-3	Report, Study of Hazardous Air Pollutant Emissions from Electric Utility Steam Generating Units—Final Report to Congress, volume 1, Publication No. EPA-453/R-98-004a, February 1998, pp. 13-1 through 13-11.
IV-A-4	Report, Revised Economic Impact Analysis with the 1995 Baseline and Additional Monitoring Costs, April 1999, Appendix G to report entitled "Economic Analysis of Air Pollution Regulations: Portland Cement, prepared by T. Fox and C. Randall, RTI, prepared for T. Walton, EPA:OAQPS:ISEG, July 1996" (For complete original report see II-A-46).

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category IV  
 Additional Items Considered After Proposal, in Developing Final Rule  
 Subcategory IV-B  
 Additional Factual Memoranda

<u>Document No.</u>	<u>Description</u>
IV-B-1	Memorandum, T. Fox, Research Triangle Institute, to T. Walton, EPA:OAQPS:AQSSD:ISEG, May 15, 1998, Impacts for APCA-defined Small Businesses.
IV-B-2	Memorandum, J. Seitz, EPA:OAQPS, to Addressees, July 10, 1998, Delegation of 40 CFR part 63 general provisions authorities to State and local air pollution control agencies.
IV-B-3	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, November 25, 1998, Available polycyclic organic matter, emission data for NHW cement kilns.
IV-B-4	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, November 6, 1998, Estimated Portland Cement NESHAP Costs for Royal Cement.
IV-B-5	Memorandum, T. Fox, RTI, to T. Walton, EPA:OAQPS:ISEG, January 19, 1999, Estimation of Cost-to-Sales Ratios for Cement Response to Comments.
IV-B-6	Memorandum and attachments, J. Wood, EPA:OAQPS:ESD:MICG, to K. Durkee, EPA:OAQPS:ESD:MICG, Costs of Data Acquisition System in Response to Comments on the Proposed Portland Cement Industry MACT Standard (Vendor information attached), undated.
IV-B-7	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, February 4, 1999, Estimated National Costs for Data Acquisition Systems and an Annual Inspection of Kiln Combustion Systems.
IV-B-8	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, March 16, 1999, National costs revised to include PM CEMs and annual monitoring of materials handling facilities, and all costs revised to 1995 dollars.
IV-B-9	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, March 22, 1999, National Costs (in 1995 dollars) for the Final Portland Cement Rule.
IV-B-10	Memorandum and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, April 1, 1999, Variability in particulate matter stack emissions from kilns meeting the NSPS (also attaching: Report, Stationary Source Control Techniques Document Fine Particulate Matter, Publication No. EPA-452/R-97-001, October 1998).

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-B  
Additional Factual Memoranda

<u>Document No.</u>	<u>Description</u>
IV-B-11	Memorandum, T. Fox, RTI, to T. Walton, EPA:OAQPS:ISEG, and E. Heath, RTI, April 6, 1999, Revised small business analysis for proposed cement MACT standards with additional monitoring requirements.
IV-B-12	Memorandum and attachments, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, April 20, 1999, Unresolved technical issues with proposed EPA Method 322 (Gas Filter Correlation Infrared Spectroscopy [GFCIR]) for the measurement of Hydrogen Chloride air emissions (also attaching: Letter, A. Seeger, National Lime Association, to J. Wood, March 8, 1999, Providing comments on emission testing on lime plants in Ohio; and Letter, J. LaCosse, Eastern Research Group, Incorporated, to M. Toney, EPA:EMC, December 22, 1998, Response to questions concerning GFCIR test methods compared to FTIR test methods).
IV-B-13	Memorandum, W. lamason, EPA:SMTG, to J. Crowder, EPA:OAQPS:ESD:MICG, May 3, 1999, Voluntary consensus standard results for the Portland Cement MACT final rule.
IV-B-14	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, July 19, 1999, Site survey report for Ash Grove Cement Plant, Durkee, Oregon, on October 22, 1998.
IV-B-15	Memorandum, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, July 8, 1999, Site survey report for Southdown Cement Plant, Knoxville, Tennessee, on November 5, 1998.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-B  
Additional Factual Memoranda

<u>Document No.</u>	<u>Description</u>
IV-B-16	Memorandum, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, May 12, 1999, Responding to comments contained in letter from W. Bumpers, Baker & Botts, LLP, Counsel to American Portland Cement Alliance (for copy of letter, see IV-D-40).

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category IV  
 Additional Items Considered After Proposal, in Developing Final Rule  
 Subcategory IV-C  
 Additional EPA Correspondence to Outside Persons

<u>Document No.</u>	<u>Description</u>
IV-C-1	Memorandum and attachments, D. Bivins, EPA:EMC, to A. Dougherty, Portland Cement Association, April 9, 1998, Enclosing memoranda from C. Clapsaddle of MRI concerning the CEMS cost model and the PM CEMS cost.
IV-C-2	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to A. Dougherty, Portland Cement Association, April 8, 1998, Enclosing draft meeting minutes for February 26, 1998 for comment (For final meeting minutes, see II-E-1).
IV-C-3	Letter, J. Seitz, EPA:OAQPS, to A. O'Hare, American Portland Cement Alliance, April 27, 1998, Comment period will be extended 30 days.
IV-C-4	Letter, J. Seitz, EPA:OAQPS, to D. Cahn, California Portland Cement Company, April 27, 1998, Comment period will be extended 30 days.
IV-C-5	Letter, J. Seitz, EPA:OAQPS, to J. Brozyna, Lehigh Portland Cement Company, May 6, 1998, Comment period will be extended 30 days.
IV-C-6	Letter, J. Seitz, EPA:OAQPS, to D. Sweeney, Ash Grove Cement Company, May 6, 1998, Comment period will be extended 30 days.
IV-C-7	Letter, J. Seitz, EPA:OAQPS, to F. Streitman, Essroc Italcementi Group, May 7, 1998, Comment period will be extended 30 days.
IV-C-8	Letter, J. Seitz, EPA:OAQPS, to J. Laney, Medusa Cement Company, May 8, 1998, Comment period will be extended 30 days.
IV-C-9	Letter, J. Seitz, EPA:OAQPS, to J. Freund, Medusa Cement Company, May 8, 1998, Comment period will be extended 30 days.
IV-C-10	Electronic mail with attachments, J. Wood, EPA:OAQPS:ESD:MICG, to addressees, May 8, 1998, Enclosing 3 OAQPS policy memoranda that address implementation issues raised at the April 29, 1998, meeting with State and local agencies.
IV-C-11	Letter, J. Seitz, EPA:OAQPS, to E. Mikols, Calaveras Cement Company, May 12, 1998, Comment period will be extended 30 days.
IV-C-12	Letter, J. Seitz, EPA:OAQPS, to J. Sibley, Lehigh Portland Cement Company, May 12, 1998, Comment period will be extended 30 days.

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category IV  
 Additional Items Considered After Proposal, in Developing Final Rule  
 Subcategory IV-C  
 Additional EPA Correspondence to Outside Persons

<u>Document No.</u>	<u>Description</u>
IV-C-13	Letter, J. Seitz, EPA:OAQPS, to B. Irvine, Tilbury Cement Limited, May 12, 1998, Comment period has been extended 30 days.
IV-C-14	Letter, T. Kelly, EPA:ORMI, to J. Glover, U.S. Small Business Administration, June 10, 1998, To correct any misconceptions that SBA may have regarding the basis for EPA's certification of the proposed rule and to explain further EPA's findings.
IV-C-15	Letter, T. Kelly, EPA:ORMI, to A. O'Hare, American Portland Cement Alliance, June 10, 1998, EPA's response to concerns of the American Portland Cement Alliance at the April 17, 1998 meeting between Deputy Administrator Fred Hansen and major small business trade associations regarding the small business impacts of the proposed rule.
IV-C-16	Letter, J. Seitz, EPA:OAQPS, to B. Reuter, July 24, 1998, Response to comments in letter to Administrator Carol Browner, dated June 29, 1998
IV-C-17	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to A. Dougherty, Portland Cement Association, May 6, 1998, Enclosing a copy of the draft meeting minutes for April 8, 1998, meeting (For final meeting minutes, see IV-E-2).
IV-C-18	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, August 10, 1998, Enclosing a copy of the draft meeting minutes for June 23, 1998, meeting (For final meeting minutes, see IV-E-3).
IV-C-19	Electronic Mail, D. Bivins, EPA:EMC, to A. Dougherty, Portland Cement Association, October 6, 1998, Attaching the protocol for perturbing the control device incrementally.
IV-C-20	Letter, W. Lamason, EPA:EMC, to W. Greer, Ash Grove Cement, October 16, 1998, Enclosing generic draft test plan (attachment not included), CBI Checklist, and Federal Register Notice that defines EPA's general confidentiality policies regarding emissions and emissions-related information.
IV-C-21	Electronic Mail, D. Bivins, EPA:EMC, to A. Dougherty, Portland Cement Association, October 20, 1998, Updated PM CEMS Cost Estimate.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-C  
Additional EPA Correspondence to Outside Persons

<u>Document No.</u>	<u>Description</u>
IV-C-22	Letter, W. Lamason, EPA:EMC, to D. Heintz, Southdown, Incorporated, October 27, 1998, Enclosing generic draft test plan (attachment not included), CBI checklist and Federal Register Notice that defines EPA's general confidentiality policies regarding emissions, and emission-related information (for CBI checklist and Federal Register Notice see IV-C-20).
IV-C-23	Letter and attachment, J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, October 28, 1998, Enclosing meeting minutes of October 5, 1998, meeting between EPA and Portland Cement Association (For final meeting minutes, see IV-E-4).
IV-C-24	Letter and attachment, J. Crowder, EPA:OAQPS:ESD:MICG, to D. Guyer, Ash Grove Cement Company, May 7, 1999, Enclosing site survey report for October 22, 1998 site visit at Ash Grove Cement Plant, Durkee Oregon (For final trip report, see IV-B-14)
IV-C-25	Letter and attachment, J. Crowder, EPA:OAQPS:ESD:MICG, to D. Guyer, Ash Grove Cement Company, May 7, 1999, Enclosing site survey report for November 5, 1998 site visit at Southdown Cement Plant, Knoxville, Tennessee (For final trip report, see IV-B-15)

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-D  
Additional Comments Received

<u>Document No.</u>	<u>Description</u>
IV-D-1	Letter, C. Kellett, Safety-Kleen, to C. Browner, EPA, April 7, 1998, Request for extension of comment period due to absence of critical documents from docket.
IV-D-2	Letter, A. O'Hare, American Portland Cement Alliance, to C. Browner, EPA, April 14, 1998, Request for extension of comment period due to a complex and extensive proposal and size of the docket.
IV-D-3	Letter, J. Glover, Office of Chief Counsel for Advocacy, US Small Business Administration, to Docket, April 15, 1998, Comments concerning The Regulatory Flexibility Act Certification.
IV-D-4	Letter, J. Freund, Medusa Cement Company, Division of Medusa Corporation, to C. Browner, EPA, April 20, 1998, Request for extension of comment period.
IV-D-5	Item deleted from docket on May 22, 1998, incorrectly submitted to this docket.
IV-D-6	Letter, C. Gotro, Medusa-Crescent, Incorporated, to Docket, April 18, 1998, Request for 30-day extension of comment period.
IV-D-7	Letter, D. Sweeney, Ash Grove Cement Company, to C. Browner, EPA, April 17, 1998, Request for extension of comment period.
IV-D-8	Letter, F. Streitman, Essroc Italcementi Group, to C. Browner, EPA, April 15, 1998, Request for extension of comment period.
IV-D-9	Letter, J. Laney, Medusa Cement Company, April 21, 1998, Request for extension of comment period.
IV-D-10	Letter, D. Cahn, California Portland Cement Company, to C. Browner, EPA, April 15, 1998, Request for extension of comment period.
IV-D-11	Letter, E. Mikols, Calaveras Cement Company to C. Browner, EPA, April 15, 1998, Request for extension of comment period.
IV-D-12	Letter, J. Sibley, Jr., Lehigh Portland Cement Company, to C. Browner, EPA, April 30, 1998, Request for extension of comment period.

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category IV  
 Additional Items Considered After Proposal, in Developing Final Rule  
 Subcategory IV-D  
 Additional Comments Received

<u>Document No.</u>	<u>Description</u>
IV-D-13	Letter, M. Fogle, Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, to Docket, May 20, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-14	Letter, M. Long, Cambridge Health Project, to Docket, May 21, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-15	Letter, M. Strehlow, Radian International, LLC, to Docket, May 22, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-16	Letter and attachment, J. Pew, EarthJustice Legal Defense Fund, to Docket, June 24, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP (report, Breath-Taking, Premature Mortality Due to Particulate Air Pollution in 239 American Cities," Natural Resources Defense Council, dated May 1996 attached) (For additional data, see IV-D-19 and IV-D-36).
IV-D-17	Letter, J. Thomas, American Society, of Testing and Materials, to Docket, June 25, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-18	Letter and attachment, A. Seeger, National Lime Association, to Docket, June 25, 1998, Enclosing comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-19	Electronic Mail and attachment, J. Williams, EarthJustice Legal Defense Fund, to Docket, June 26, 1998, Enclosing additional data to be added to letter received June 24, 1998 (See IV-D-16).
IV-D-20	Electronic Mail and attachment, D. Grossman, Gossman Consulting, Incorporated, to Docket, June 26, 1998, Enclosing comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-21	Letter, B. Mathur, Illinois Environmental Protection Agency, to Docket, June 23, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-22	Letter, E. Mikols, Lehigh Portland Cement Company and Calaveras Cement Company, to Docket, June 25, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category IV  
 Additional Items Considered After Proposal, in Developing Final Rule  
 Subcategory IV-D  
 Additional Comments Received

<u>Document No.</u>	<u>Description</u>
IV-D-23	Letter, F. Streitman, Essroc Cement Corporation, to Docket, June 25, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-24	Letter, R. Moir, Holnam, Incorporated and Holnam Texas, Limited Partnership, to Docket, June 25, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-25	Letter, R. Parker, Safety-Kleen Corporation, to Docket, June 25, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-26	Letter and attachments, A. O'Hare, American Portland Cement Alliance, to Docket, June 26, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-27	Letter, M. Blair and J. Terry, Colorado Department of Public Health and Environment, Air Pollution Control Division, to Docket, June 26, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-28	Letter, B. Higgins and R. Colby, STAPPA/ALAPCO, to Docket, June 26, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-29	Letter and attachments, M. Lusk, Cement Kiln Recycling Coalition, to Docket, June 26, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-30	Letter, B. Irvine, Tilbury Cement Limited, to Docket, April 29, 1998, Request for extension of Comment Period.
IV-D-31	Letter, W. Young, Texas Natural Resource Conservation Commission, to Docket, May 21, 1998, Evaluation of a Particulate Matter Continuous Emission Monitoring System near San Antonio, Texas.
IV-D-32	Electronic Mail, U. Smith, Natural Resources and Environmental Protection Commission, Department of Air Quality, State of Kentucky, to Docket, May 29, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-33	Letter, J. Smith, Institute of Clean Air Companies, to Docket, June 1, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category IV  
 Additional Items Considered After Proposal, in Developing Final Rule  
 Subcategory IV-D  
 Additional Comments Received

<u>Document No.</u>	<u>Description</u>
IV-D-34	Letter, A. O'Hare, American Portland Cement Alliance, to B. Jordan, EPA:OAQPS, June 10, 1998, APCA would like to set up a meeting to discuss a tentative process for replacing continuous opacity monitors with PM continuous emission monitors.
IV-D-35	Letter, J. Freund, Medusa Cement Company, Division of Medusa Corporation, to Docket, June 23, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-D-36	Electronic Mail and attachment, J. Williams, EarthJustice Legal Defense Fund, to Docket, June 24, 1998, Enclosing additional reports and papers to be added to letter received June 24, 1998 (See IV-D-16).
IV-D-37	Facsimile, H. Naour, State of Illinois Environmental Protection Agency, to J. Wood, EPA:OAQPS:ESD:MICG, June 22, 1998, Portland cement proposal "Dry Run" Information.
IV-D-38	Letter, A. O'Hare, American Portland Cement Alliance, to B. Jordan, EPA:OAQPS:ESD, October 9, 1998, Regarding the date for Portland Cement MACT promulgation and concerns about section 112(j).
IV-D-39	Letter, J. LaCosse, Eastern Research Group, Incorporated, to M. Toney, EPA:EMC, March 19, 1999, Explaining why Method 26 (and 26A) can be biased low concerning the measurement of HCl.
IV-D-40	Facsimile, W. Bumpers, Baker & Botts, LLP, Counsel to American Portland Cement Alliance, to A. Eckert, Associate General Counsel, EPA, April 20, 1999, Request for use of Method 23 in demonstrating compliance with Dioxin/Furan emission standard under Portland Cement MACT rulemaking.
IV-D-41	Letter and attachment, I. DePrimo, Southdown, Incorporated, to J. Crowder, EPA:OAQPS:ESD:MICG, June 29, 1999, Enclosing site survey report, with comments, for November 5, 1998 site visit to Southdown Cement Plant, Knoxville, Tennessee (For final site survey report see IV-B-15).

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-D  
Additional Comments Received

<u>Document No.</u>	<u>Description</u>
IV-D-42	Letter and attachment, R. Vantuyl, Ash Grove Cement Company, to J. Wood, EPA:OAQPS:ESD:MICG, July 9, 1999, Enclosing site survey report, with comments, for site survey conducted on October 22, 1998 in Durkee, Oregon (For final site survey report see IV-B-14).
IV-D-43	Letter, R. Vantuyl, Ash Grove Cement Company, to J. Wood, EPA:OAQPS:ESD:MICG, July 15, 1999, Stating that the site survey report for the site survey conducted on October 22, 1998 in Durkee, Oregon is not considered confidential business information (For final site survey report, see IV-B-14).
IV-D-44	Letter, L. DePrimo, Southdown, Incorporated, to J. Crowder, EPA:OAQPS:ESD:MICG, July 26, 1999, Stating that the site survey report for the site survey conducted on November 5, 1998 in Knoxville, Tennessee is not considered confidential business information (For final site survey report, see IV-B-15).

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-E  
EPA Memoranda of Meetings and Telephone Conversations

<u>Document No.</u>	<u>Description</u>
IV-E-1	Memorandum and attachments, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, April 2, 1998, Enclosing meeting minutes for February 26, 1998 meeting with industry and EPA.
IV-E-2	Memorandum and attachment, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, April 29, 1998, Summary of the April 23, 1998, EPA/PCA Meeting on issues associated with the proposed MACT rule and conducting PM CEM demonstrations.
IV-E-3	Memorandum and attachment, E. Heath, RTI, to J. Wood, EPA:OAQPS:ESD:MICG, July 31, 1998, Summary of the June 23, 1998, Meeting on industry's approach to developing a PM CEM-based MACT standard.
IV-E-4	Memorandum and attachments, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, October 21, 1998, Summary of meeting minutes for October 5, 1998 meeting with portland cement industry representatives to discuss status update of PM continuous emission monitors demonstration program (attachments not included).
IV-E-5	Telephone Contact Summary Memorandum, S. Silverman, EPA:OGC, to Docket, May 11, 1999, Summary of Telephone Conversation with W. Bumpers, Baker & Botts, LLP, Counsel to American Portland Cement Alliance, regarding April 20, 1999 letter (for copy of letter see, IV-D-40).

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-G  
Late Public Comments Received

<u>Document No.</u>	<u>Description</u>
IV-G-1	Letter, R. Randolph, State of Missouri, Department of Natural Resources, Division of Environmental Quality, to Docket, June 26, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-G-2	Item deleted per Project officer. This item is a duplicate of IV-D-27.
IV-G-3	Letter, C. Campbell, Lafarge Corporation, to Docket, June 26, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-G-4	Letter, D. Sweeney, Ash Grove Cement Company, to Docket, June 26, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-G-5	Letter, R. Moir, Holnam Incorporated, to Docket, June 29, 1998, Comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-G-6	Letter, M. Levin and N. Cabral, Counsel to Non-Burner HAPS Coalition, to Docket and J. Wood and K. Durkee, EPA:OAQPS:ESD:MICG, July 13, 1998, comments on proposed rule for Portland Cement Manufacturing NESHAP.
IV-G-7	Letter, M. Levin, Counsel to Non-Burner HAPS Coalition, to K. Durkee and J. Wood, EPA:OAQPS:ESD:MICG, July 16, 1998, NBHC's members now include five SBREFA small entities instead of three.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-H  
Interagency Review Materials

<u>Document No.</u>	<u>Description</u>
IV-H-1	Memorandum and attachment, D. Gardiner, Assistant Administrator for Policy, Planning, and Evaluation, to R. Perciasepe, Assistant Administrator, May 13, 1999, Enclosing <i>Federal Register</i> notice to promulgate National Emission Standards for Hazardous Air Pollutants for Portland Cement Manufacturing Industry to be reviewed by Office of Management and Budget.
IV-H-2	Form for Compliance with Executive Order 12866 Docket Requirements, May 14, 1999, List of substantive changes made to the preamble and regulation as a result of OMB review.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-I  
Miscellaneous *Federal Register* Notices Published After Proposal

<u>Document No.</u>	<u>Description</u>
IV-I-1	63 FR 27247, National Emission Standards for Hazardous Air Pollutants; Proposed Standards for Hazardous Air Pollutants Emissions for the Portland Cement Manufacturing Industry; Extension of Public Comment Period, May 18, 1998.

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category IV  
 Additional Items Considered After Proposal, in Developing Final Rule  
 Subcategory IV-J  
 References Not Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
IV-J-1	Presentation, Particulate Matter (PM) Continuous Emissions Monitoring Systems (CEMS) Demonstration Project, Presented by Eli Lilly and Company, Chemical Manufacturers Association, and Coalition for Responsible Waste Incineration, Presented to EPA:OAQPS, October 1, 1998.
IV-J-2	Table, 1997 National Occupational Employment and Wage Estimates, Machinery Maintenance Mechanics, Water or Power Generation Plant, from the Bureau of Labor Statistics website at <a href="http://stats.bls.gov/oes/national/oes85118.htm">http://stats.bls.gov/oes/national/oes85118.htm</a> , February 2, 1999.
IV-J-3	Table, 1997 National Occupational Employment and Wage Estimates, Chemical Engineers, from the Bureau of Labor Statistics website at <a href="http://stats.bls.gov/oes/national/oes22114.htm">http://stats.bls.gov/oes/national/oes22114.htm</a> , February 3, 1999.
IV-J-4	Paper, Economies of Scale in the Cement Industry, G. Norman, Journal of Industrial Economics, volume 27, number 4, June 1979, pp. 317-337.
IV-J-5	Paper, The Nature and Source of Economies of Scale in Cement Production, M. McBride, Southern Economics Journal, volume 48(1), 1981, pp. 105-115.
IV-J-6	Paper, A Positive Theory of Environmental Quality Regulation, M. Maloney and R. McCormick, Journal of Law and Economics, volume 25, April 1982, pp. 99-123.
IV-J-7	Paper, Spatial Competition and Vertical Integration: Cement and Concrete Revisited, M. McBride, The American Economic Review, volume 73, number 5, December 1983, pp. 1011-1022.
IV-J-8	Paper, Technology and Energy Use Before, During, and After OPEC: The U.S. Portland Cement Industry, C. Capone, Jr. and K. Elzinga, The Energy Journal, volume 8, number 3, 1987, pp. 93-112.
IV-J-9	Paper, The Effects of Supply Shifts on Producers' Surplus, G. Miller, J. Rosenblatt, and L. Hushak, American Journal of Agricultural Economics, November 1998, pp. 886-891.
IV-J-10	Paper, Price Levels and Seller Concentration: The Case of Portland Cement, R. Koller and L. Weiss, Concentration and Price, 1989, pp. 17-40.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-J  
References Not Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
IV-J-11	Report, Cement, H. van Oss, U.S. Geological Survey—Minerals Information—1996, USGS, 1998.
IV-J-12	Report, Employer Costs for Employee Compensation—March 1998, Bureau of Labor Statistics, United States Department of Labor, July 9, 1998.
IV-J-13	Report, Synopsis: Information on the cement industry within the U.S.: Imports, exports, ownership, economic cycles, employment, trends, from the Portland Cement Association website at <a href="http://www.portcement.org/indecon.htm">http://www.portcement.org/indecon.htm</a> , January 19, 1999.
IV-J-14	Report, Annual Report for Medusa Corporation for FY 1995, from the U.S. Securities and Exchange Commission website at <a href="http://www.sec.gov/Archives/edgar/data/64674/0000064674-96-000009.txt">http://www.sec.gov/Archives/edgar/data/64674/0000064674-96-000009.txt</a> , February 9, 1999.
IV-J-15	Report, Annual Report for Southdown, Incorporated for FY 1995, from the U.S. Securities and Exchange Commission website at <a href="http://www.sec.gov/Archives/edgar/data/313058/0000890566-96-000116.txt">http://www.sec.gov/Archives/edgar/data/313058/0000890566-96-000116.txt</a> , February 9, 1999.
IV-J-16	Report, Annual Report for Lone Star Industries, Incorporated for FY 1995, from the U.S. Securities and Exchange Commission website at <a href="http://www.sec.gov/Archives/edgar/data/60195/0000950123-96-001295.txt">http://www.sec.gov/Archives/edgar/data/60195/0000950123-96-001295.txt</a> , February 15, 1999.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category IV  
Additional Items Considered After Proposal, in Developing Final Rule  
Subcategory IV-K  
Miscellaneous *Federal Register* Notices Considered After Proposal

<u>Document No.</u>	<u>Description</u>
IV-K-1	62 FR 33625-33639, Notice of draft source category listing for section 112(d)(2) rulemaking pursuant section 112(c)(6) requirements, June 20, 1997.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category V  
Final Action  
Subcategory V-A  
Notice of Rulemaking

<u>Document No.</u>	<u>Description</u>
V-A-1	63 FR 31898-31962, National Emission Standards for Hazardous Air Pollutants; Portland Cement Manufacturing Industry; Final Rule, June 14, 1999.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category V  
Final Action  
Subcategory V-C  
Response to Comments Documents

<u>Document No.</u>	<u>Description</u>
V-C-1	Memorandum, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, May 7, 1999, Portland Cement NESHAP Response to Comments Document.
V-C-2	Memorandum, J. Wood, EPA:OAQPS:ESD:MICG, to Docket, May 14, 1999, Averaging Period for the Monitoring of Operating Parameters Related to the Emissions Standard for Dioxins/Furans

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category VI  
 Reconsideration  
 Subcategory VI-B  
 New Factual Materials

<u>Document No.</u>	<u>Description</u>
VI-B-1	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, August 22, 2000, Draft settlement agreement.
VI-B-2	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, January 4, 2001, Transmitting draft settlement language.
VI-B-3	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG and S. Silverman, EPA:OGC, February 2, 2001, Transmitting revised draft settlement agreement language addressing NESHAP applicability; request for meeting/conference call.
VI-B-4	S. Silverman, EPA:OGC, to A. O'Hare, American Portland Cement Alliance, February 14, 2001, Reply to draft settlement agreement language.
VI-B-5	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, April 11, 2001, Commenting on draft criteria for broken bag detectors.
VI-B-6	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, May 1, 2001, Transmitting revised draft settlement language.
VI-B-7	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, May 22, 2001, Transmitting draft language on transfer point issue.
VI-B-8	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, May 22, 2001, Transmitting revised language on transfer point issue.
VI-B-9	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, June 5, 2001, Transmitting revised language on transfer point issue.
VI-B-10	A. O'Hare, American Portland Cement Alliance, to J. Crowder, EPA:OAQPS:ESD:MICG, June 7, 2001, Transmitting revised language on transfer point issue.

A-92-53  
 Portland Cement Manufacturing NESHAP  
 Category VI  
 Reconsideration  
 Subcategory VI-B  
 New Factual Materials

<u>Document No.</u>	<u>Description</u>
VI-B-11	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, June 11, 2001, Latest proposed settlement agreement.
VI-B-12	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, June 13, 2001, OECA review of proposed settlement agreement.
VI-B-13	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, June 20, 2001, Discussing suggested revisions to proposed settlement agreement.
VI-B-14	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, June 21, 2001, Discussing subpart Y language.
VI-B-15	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, June 21, 2001, Additional changes to subpart Y language.
VI-B-16	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, June 22, 2001, Revised settlement agreement language on subpart Y language.
VI-B-17	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, July 27, 2001, Status of settlement agreement.
VI-B-18	J. Woodford, GCI Solutions, to J. Wood, EPA:OAQPS:ESD:MICG, July 30, 2001, Rule applicability question.
VI-B-19	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, August 9, 2001, Clarification of rule applicability question.
VI-B-20	D. Dertke, DOJ, to T. Boone, EPA, August 10, 2001, Transmitting draft final settlement agreement.
VI-B-21	J. Wood, EPA:OAQPS:ESD:MICG, to A. O'Hare, American Portland Cement Alliance, May 1, 2001, Transmitting EPA comments on proposed settlement agreement.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category VI  
Reconsideration  
Subcategory VI-B  
New Factual Materials

<u>Document No.</u>	<u>Description</u>
VI-B-22	A. O'Hare, American Portland Cement Alliance, to J. Wood, EPA:OAQPS:ESD:MICG, June 18, 2001, Transmitting draft settlement agreement for review.
VI-B-23	W. Bumpers, Baker & Botts, to S. Silverman, EPA:OGC, December 27, 1999, Recommendations of the American Portland Cement Alliance for revising the final Portland Cement Manufacturing Industry NESHAP.
VI-B-24	W. Bumpers, Baker & Botts, to S. Silverman, EPA:OGC, March 30, 2000, Proposed resolution of issues raised by the American Portland Cement Alliance in its challenge to the final Portland Cement Manufacturing Industry NESHAP.
VI-B-25	S. Silverman, EPA:OGC, D. Derke, DOJ, D. Flores, DOJ, and W. Bumpers, Baker & Botts, September 7, 2001, Proposed settlement agreement by and between the American Portland Cement Alliance and the U.S. Environmental Protection Agency.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category VI  
Reconsideration  
Subcategory VI-D  
Other Information Not Readily Available to the Public Elsewhere

<u>Document No.</u>	<u>Description</u>
VI-D-1	American Portland Cement Alliance, Brief as an amicus curiae in National Lime Association and Sierra Club v.EPA, undated.

A-92-53  
Portland Cement Manufacturing NESHAP  
Category VI  
Reconsideration  
Subcategory VI-E  
Miscellaneous *Federal Register* Notices

Document No.

Description

VI-E-1	66 FR 50643, October 4, 2001, Notice of proposed settlement agreement and request for public comment.
--------	---

