

Docket A-95-44
 Boat Manufacturing
 National Emission Standards for Hazardous Air Pollutants
 Category II-A
 EPA Reports or Contractor Reports

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-A-1	2-1-96	Bahner, M.A., A.C. Clayton, E.J. Kong, and R.S. Wright, (Research Triangle Institute). Evaluation of Pollution Prevention Techniques to Reduce Styrene Emissions from Open Contact Molding Processes. Prepared for U.S. Environmental Protection Agency. Research Triangle Park, NC. EPA Cooperative Agreement CR 818419-03.	Sep 96
II-A-2	12-18-97	Bahner, M., Kong, E., and Turner, S., (RTI). Assessment of Styrene Emission Controls for FRP/C and Boat Building Industries. Prepared for U.S. EPA, Washington, DC. Report No. EPA-600/R-96-109. 130 p.	9-96
II-A-3	12-18-97	Bahner, M., Kong, E., and Turner, S., (RTI). Addendum to Assessment of Styrene Emission Controls for FRP/C and Boat Building Industries. Prepared for U.S. EPA, Washington, DC. Report No. EPA-600/R-96-136. 48 p.	11-96
II-A-4	12-18-97	Bahner, M., Clayton, C., Kong, E., and Wright, R., (RTI). Evaluation of Pollution Prevention Techniques to Reduce Styrene Emissions from Open Contact Molding Processes. Volume I, Final Report. Prepared for U.S. EPA, Washington, DC. Report No. EPA-600/R-97-018a. 71 p.	3-97

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II-A-5	12-18-97	Bahner, M., Clayton, C., Kong, E., and Wright, R., (RTI). Evaluation of Pollution Prevention Techniques to Reduce Styrene Emissions from Open Contact Molding Processes. Volume II, Appendices. Prepared for U.S. EPA, Washington, DC. Report No. EPA-600/R-97-018b. 71 p.	3-97
II-A-6		"Economic Impact Analysis of the Proposed Boat Manufacturing NESHAP." Prepared by OAQPS.	11/99

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<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-B-1	2-1-96	E. Goehl, Radian Corporation, to Boat Manufacturing Docket No. A-95-44. Completed industry survey responses from 100 boat manufacturers provided by John McKnight of the National Marine Manufacturers Association to the EPA.	12-11-95
II-B-2	6-10-97	K. Schmidtke and A. Trenholm, Midwest Research Institute, to M. Serageldin, EPA:ESD:CAS. Trip Report: Hatteras Yachts, High Point, NC.	3-14-91
II-B-3	6-10-97	E. Goehl, Radian Corp., to M. Strum, EPA:OAQPS:CCPG. Summary of pressure fed resin roller information from telephone conversations with Cobalt Boats, Arjay Technologies, Inc., and Island Packet Yachts.	11-27-95
II-B-4	12-18-97	B. Palmer, Radian, Inc., to M. Strum, EPA:OAQPS:CCPG. Trip Report: October 13, 1995 visit to Hatteras Yachts, High Point, NC facility.	6-6-96
II-B-5	12-18-97	M. Strum, EPA:OAQPS:CCPG. Memorandum: summary of findings from the Boat Manufacturing P-MACT Process: Styrene Emission Control Options.	1-15-97
II-B-6	12-18-97	E. Goehl and B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Trip Report: May 21, 1996 visit to Hatteras Yachts, New Bern, NC facility.	3-26-97

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II-B-7	12-18-97	E. Goehl and B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Trip Report: December 6, 1996 visit to Sunfish Laser, Portsmouth, RI facility.	5-30-97
II-B-8	2-18-97	C. White and B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Trip Report: September 24, 1996 visit to MasterCraft Boat Company, Vonore, TN facility.	6-17-97
II-B-9	12-18-97	E. Goehl and B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Trip Report: September 25, 1996 visit to Sea Ray Boats, Vonore, Riverview, and Knoxville, TN facilities.	8-21-97
II-B-10	7-23-98	B. Palmer and E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of Observations from NMMA Testing Program, April 14 and 15, 1997 at the U.S. Marine Corp. facility in Arlington, WA.	1-14-98
II-B-11	7-23-98	E. Goehl and B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Trip Report: April 14 and 15, 1997 visit to U.S. Marine/Bayliner Boats, Arlington, WA facility.	3-24-98
II-B-12	7-23-98	E. Goehl and B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Trip Report: November 6, 1997 visit to Alumacraft Boat Co., St. Peter, MN facility.	5-20-98
II-B-13	7-01-99	B. Palmer and E. Goehl, ERG, Inc., to M. Strum, EPA:CCPG. Trip Report: December 5, 1996 visit to TPI Composites, Inc. facility in Warren, RI.	8/21/97

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II-B-14	7-01-99	P. Almodovar, EPA:CCPG, to CCPG Project Teams and Project File. Memorandum: Petroleum Solvent Blends and Associated HAP Contents.	11/19/98
II-B-15	7-01-99	B. Palmer, ERG, Inc., to M. Morris, EPA:OCG. Memorandum: Industry Description for Boat Manufacturing.	3/25/99
II-B-16	7-01-99	A. Reisdorph, ERG, Inc., to M. Morris, EPA:OCG. Memorandum: Existing State and Federal Air Regulations that Affect the Boat Manufacturing and Shipbuilding Industries.	3/31/99
II-B-17		B. Palmer, et al, ERG, Inc., to M. Morris, EPA:OCG and L. Conner, EPA:ISEG. Memorandum: Final Cost Procedures Documentation.	6/10/99
II-B-18		A. Reisdorph and B. Palmer, ERG, to M. Morris, EPA:OCG. Memorandum: Environmental and Energy Impacts for the Proposed Boat Manufacturing NESHAP.	9/30/99
II-B-19		W. Lamason, EPA Source Measurement Technology Group, to P. Lassiter, EPA:OCG. Memorandum: Voluntary Consensus Standard Result for the Boat Manufacturing NESHAP Proposed Rule.	3/2000
II-B-20		B. Palmer, et al, ERG, Inc., to M. Morris, EPA:OCG. Memorandum: Documentation of Existing Source MACT Floors for Existing Sources for the Boat Manufacturing NESHAP.	3/15/00

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II-B-21		J. O'Neil, ERG, Inc., to Docket A-95-44. MACT Model Point Value Equations Tables and Graphs.	4/14/00

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<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-B-22		B. Palmer, ERG, Inc., to M. Morris, EPA:OCG. Memorandum: Determination of area-source size cut-off for boat manufacturing NESHAP.	10/7/99

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II-C-1	2-1-96	B. Jordan, EPA:ESD, to J. McKnight, NMMA. Confirmation of comments received for the development of "presumptive" maximum achievable control technology (MACT) standards.	6-2-95
II-C-2	2-1-96	M. Strum, EPA:CCPG, to J. McKnight, NMMA. Evaluation of the Draft National Marine Manufacturers Association Draft Maximum Achievable Control Technology Study.	8-18-95
II-C-3	2-1-96	M. Strum, EPA:CCPG, to E. Thompson, Clean Air Network. Fact sheets for the reinforced plastic composites NESHAP and the boat manufacturing NESHAP.	9-22-95
II-C-4	2-1-96	L. Herring, EPA:CCPG, to L. Joyner, Hatteras Yachts. Confirmation of scheduled visit to the Hatteras Yachts facility on October 13, 1995.	10-10-95
II-C-5	2-1-96	M. Strum, EPA:CCPG, to Environmental Group. Pre-MACT plan for the October 31, 1995 Pre-MACT teleconference for Boat Manufacturing.	10-18-95
II-C-6	2-1-96	M. Strum, EPA:CCPG, to Presumptive MACT Participants. Items for teleconference scheduled for October 31, 1995 for the presumptive MACT (P-MACT) for the Boat Manufacturing category.	10-20-95

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II-C-7	2-1-96	M. Strum, EPA:CCPG, to Presumptive MACT Participant. Minutes of the first round table teleconference for the presumptive MACT for the Boat Manufacturing category held October 31, 1995.	11-28-95
II-C-8	6-10-97	L. Herring, EPA:OAQPS:CCPG, to D. Bottjen, Hatteras Yachts. Confirmation of scheduled visit to New Bern, NC facility on May 21, 1996.	5-16-96
II-C-9	6-10-97	B. Palmer, Radian Corp., to M. Elmendorf, Environmental Resources Management - Northeast. Facsimile: transmission of calculation sheets for estimating ton/ton styrene emission factors for resin application.	6-11-96
II-C-10	6-10-97	M. Strum, EPA:OAQPS:CCPG, to J. McKnight, NMMA. Transmission of the August 18, 1995 CFA test plan for use in developing NMMA test plan.	8-13-96
II-C-11	6-10-97	L. Herring, EPA:OAQPS:CCPG, to R. Freeman, MasterCraft Boat Co. Confirmation of scheduled visit to Vonore, TN facility on September 24, 1996.	9-19-96
II-C-12	6-10-97	L. Herring, EPA:OAQPS:CCPG, to K. Thompson, Sea Ray Boats. Confirmation of scheduled visit to Knoxville, TN facility on September 25, 1996.	9-19-96

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II-C-13	6-10-97	M. Strum, EPA:OAQPS:CCPG, to J. McKnight, NMMA. Electronic mail: comments on NMMA testing at the U.S. Marine facility in Arlington, WA.	9-27-96
II-C-14	12-18-97	L. Herring, EPA:OAQPS:CCPG, to T. Pietraszek, TPI Composites, Inc. Confirmation of scheduled visit to Warren, RI facility on December 5, 1996.	11-21-96
II-C-15	12-18-97	L. Herring, EPA:OAQPS:CCPG, to W. Richmond, Sunfish Laser, Inc. Confirmation of scheduled visit to Portsmouth, RI facility on December 6, 1996.	11-26-96
II-C-16	12-18-97	L. Herring, EPA:OAQPS:CCPG, to D. Pearson, U.S. Marine/Bayliner Corp. Confirmation of scheduled visit to Arlington, WA facility on April 14 and 15, 1997.	4-1-97
II-C-17	12-18-97	M. Strum, EPA:OAQPS:CCPG, to W. McDonald, Wellcraft Marine. Letter requesting confirmation that information gathered at Wellcraft's Sarasota facility is accurate.	4-4-97
II-C-18	12-18-97	M. Strum, EPA:OAQPS:CCPG, to Gel Coat/Lower HAP Resin Issue Group Members. Letter transmitting survey on gel coat usage and application methods.	5-21-97
II-C-19	12-18-97	M. Strum, EPA:OAQPS:CCPG, to Boat Manufacturing NESHAP Issue Group Members. Invitation to August 28, 1997 meeting in Research Triangle Park, NC.	7-16-97

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II-C-20	12-18-97	M. Strum, EPA:OAQPS:CCPG, to Boat Manufacturing NESHAP Issue Group Members. Items for August 28, 1997 meeting in Research Triangle Park, NC: draft rule, revised draft agenda meeting, and draft facility summary data.	8-5-97
II-C-21	7-23-98	L. Herring, EPA:OAQPS:CCPG, to M. Miner, Alumacraft Boat Co. Confirmation of scheduled visit to St. Peter, MN facility on November 6, 1997.	10-27-97
II-C-22	7-23-98	B. Jordan, EPA:OAQPS:ESD, to J. Carney, Brunswick Corp. ICR for their fiberglass boat and ship manufacturing facilities.	10-28-97
II-C-23	7-23-98	B. Jordan, EPA:OAQPS:ESD, to L. Clutter, Tracker Marine. ICR for their fiberglass boat and ship manufacturing facilities. Transmittal letter only.	10-28-97
II-C-24	7-23-98	B. Jordan, EPA:OAQPS:ESD, to G. Douglas, Catalina Yachts, Inc. ICR for their fiberglass boat and ship manufacturing facilities. Transmittal letter only.	10-28-97
II-C-25	7-23-98	B. Jordan, EPA:OAQPS:ESD, to R. Crawford, Outboard Marine Corp. ICR for their fiberglass boat and ship manufacturing facilities. Transmittal letter only.	10-28-97
II-C-26	7-23-98	B. Jordan, EPA:OAQPS:ESD, to W. Wagers, Key West Boats, Inc. ICR for their fiberglass boat and ship manufacturing facilities. Transmittal letter only.	10-28-97

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II-C-27	7-23-98	B. Jordan, EPA:OAQPS:ESD, to R. Bake, Cruisers Yachts/KCS International. ICR for their fiberglass boat and ship manufacturing facilities. Transmittal letter only.	10-28-97
II-C-28	7-23-98	B. Jordan, EPA:OAQPS:ESD, to J. Melby, Genmar Holdings, Inc. ICR for their fiberglass boat and ship manufacturing facilities. Transmittal letter only.	10-28-97
II-C-29	7-23-98	B. Jordan, EPA:OAQPS:ESD, to M. Schmitt, Yamaha Motor Corp. ICR for their fiberglass boat and ship manufacturing facilities. Transmittal letter only.	10-28-97
II-C-30	7-23-98	B. Jordan, EPA:OAQPS:ESD, to N. Eubank, Champion Boats, Inc. ICR for their fiberglass boat and ship manufacturing facilities. Transmittal letter only.	10-28-97
II-C-31	7-23-98	M. Strum, EPA:OAQPS:CCPG, to M. Froman, Ashland Chemical Co. Letter describing type of information needed to determine the cost difference among resins with various monomer contents.	12-1-97
II-C-32	7-23-98	B. Jordan, EPA:OAQPS:ESD, to M. Miner, Alumacraft Boat Co. ICR for their aluminum boat and ship manufacturing facilities.	12-12-97
II-C-33	7-23-98	B. Jordan, EPA:OAQPS:ESD, to J. Melby, Genmar Holdings, Inc. ICR for their aluminum boat and ship manufacturing facilities. Transmittal letter only.	12-12-97

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II-C-34	7-23-98	B. Jordan, EPA:OAQPS:ESD, to D. Lundberg, SeaArk Boats, Inc. ICR for their aluminum boat and ship manufacturing facilities. Transmittal letter only.	12-12-97
II-C-35	7-23-98	B. Jordan, EPA:OAQPS:ESD, to D. Smoker, Smoker Craft, Inc. ICR for their aluminum boat and ship manufacturing facilities. Transmittal letter only.	12-12-97
II-C-36	7-23-98	B. Jordan, EPA:OAQPS:ESD, to R. Hodges, Alumaweld Boats, Inc. ICR for their aluminum boat and ship manufacturing facilities. Transmittal letter only.	12-12-97
II-C-37	7-23-98	B. Jordan, EPA:OAQPS:ESD, to R. Crawford, Outboard Marine Corp. ICR for their aluminum boat and ship manufacturing facilities. Transmittal letter only.	12-12-97
II-C-38	7-23-98	B. Jordan, EPA:OAQPS:ESD, to K. Krull, Starcraft MonArk Marine. ICR for their aluminum boat and ship manufacturing facilities. Transmittal letter only.	12-12-97
II-C-39	7-23-98	B. Jordan, EPA:OAQPS:ESD, to M. Dailey, Skeeter Products, Inc. ICR for their aluminum boat and ship manufacturing facilities. Transmittal letter only.	12-12-97
II-C-40	7-23-98	B. Jordan, EPA:OAQPS:ESD, to L. Clutter, Tracker Marine. ICR for their aluminum boat and ship manufacturing facilities. Transmittal letter only.	12-12-97

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II-C-41	7-23-98	M. Strum, EPA:OAQPS:CCPG, to R. Weege, Weege of North America, Inc. Follow-up on December 4, 1997 discussion of Phoenix emissions control device.	12-15-97
II-C-42	7-23-98	B. Jordan, EPA:OAQPS:ESD and J. Rasnic, EPA:OC:METD, to S. McNally, Composites Fabricators Association. Response to November 11, 1997 comments (Docket No. II-D-47) regarding the incorporation of a controlled spray program in the MACT standard for reinforced plastic composites manufacturing.	12-30-97
II-C-43	7-23-98	M. Strum, EPA:OAQPS:CCPG, to F. Losey, American Shipbuilding Association. Facsimile: discussion of applicability of Boat Manufacturing NESHAP to boat and ship manufacturers in SIC Code 3731.	1-11-98

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II-D-1	2-1-96	J. McKnight, National Marine Manufacturers Association (NMMA), to M. Strum, EPA:CCPG. Draft copy of the boat builders Tier 1 questionnaire.	10-13-94
II-D-2	2-1-96	J. McKnight, NMMA, to F. Dimmick, EPA:ESD. Request for comments on the draft Tier 1 questionnaire.	10-26-94
II-D-3	2-1-96	J. McKnight, NMMA, to B. Jordan, EPA:ESD. Requests for comments on the Tier I questionnaire and Draft Tier II MACT Study.	1-5-95
II-D-4	2-1-96	J. McKnight, NMMA, to M. Strum, EPA:CCPG. Comments in regard to EPA's proposal to develop partnerships between State agencies and industry as an approach for streamlining the development of MACT standards.	4-17-95
II-D-5	2-1-96	J. McKnight, NMMA, to M. Strum, EPA:CCPG. Request for preliminary meeting to provide data from the Tier I surveys.	7-7-95
II-D-6	2-1-96	R. Sundberg, SETCO, Inc., to B. Palmer, Radian Corporation. MIAB Solvent Vapor Control/Recovery systems.	7-25-95
II-D-7	2-1-96	J. McKnight, NMMA, to B. Palmer, Radian Corporation. National Association of Boat Manufacturers (NABM) membership list.	8-11-95

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II-D-8	2-1-96	J. McKnight, NMMA, to M. Strum, EPA:CCPG. Follow-up on meeting held August 29th to review the NMMA MACT study and outline the boat builders MACT development process and to request a date for the next meeting.	9-11-95
II-D-9	2-1-96	L. Joyner, Hatteras, to M. Strum, EPA:CCPG. Follow-up on meeting held August 29, 1995 and to confirm invitation to Hatteras Yachts facilities.	9-13-95
II-D-10	2-1-96	J. McKnight, NMMA, to M. Strum, EPA:CCPG. Copy of letter sent to boat builders explaining importance of filling out the Tier I questionnaire.	9-25-95
II-D-11	2-1-96	J. Best, PES, to M. Strum, EPA:CCPG. List of users of Magnum flowcoaters and resin rollers.	9-27-95
II-D-12	2-1-96	J. Marchello, Old Dominion University, to EPA. Hard-copy of the data provided by the first 60 respondents to the NMMA survey.	10-31-95
II-D-13	6-10-97	J. McKnight, NMMA, to B. Jordan, EPA:OAQPS:ESD. Comments on MACT rulemaking process.	2-29-96
II-D-14	6-10-97	G. Tunis, Hardcore DuPont Composites, LLC, to M. Strum, EPA:OAQPS:CCPG. Follow-up on request for SCRIMP data.	4-4-96
II-D-15	6-10-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Progress of the NMMA Clean Air Task Force on the P-MACT development process.	4-12-96

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II-D-16	6-10-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Electronic mail: carbon styrene capture at a facility in NMMA survey response.	4-30-96
II-D-17	6-10-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Electronic mail: definition of personal watercraft.	4-30-96
II-D-18	6-10-97	A. Santos, California Air Resources Board, to M. Strum, EPA:OAQPS:CCPG. Electronic mail: information on Corsair Marine.	5-28-96
II-D-19	6-10-97	B. Hardin, Florida Dept. of Environmental Protection, to M. Strum, EPA:OAQPS:CCPG. State/Local Agency Position Paper on Boat Manufacturing P-MACT.	6-17-96
II-D-20	6-10-97	E. Pearson, TPI Composites, Inc., to M. Strum, EPA:OAQPS:CCPG. SCRIMP cost analysis.	6-20-96
II-D-21	6-10-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Facsimile: NMMA P-MACT Position Matrix.	6-18-96
II-D-22	6-10-97	C. Hayduk, Illinois EPA, to M. Strum, EPA:OAQPS:CCPG. Inspection reports for Bombardier Motor Corp. of America's facility in Benton, IL.	6-25-96
II-D-23	6-10-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. NMMA preliminary draft P-MACT position paper.	7-15-96
II-D-24	6-10-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Comments on AP-42 emission factors, proposal for a joint testing program.	7-26-96

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II-D-25	6-10-97	M. McConnell, Genmar Holdings, Inc., to B. Palmer, ERG, Inc. Engineering reports on SCRIMP and CCBM infusion technologies, prepared by Ranger and Wellcraft.	7-29-96
II-D-26	6-10-97	L. Craigie, Dow Chemical Co., to M. Strum, EPA:OAQPS:CCPG. Comments on the report "Comparison of Fatigue and Static Physical Properties of Placques Made With Various Resins Constructed Using a Vacuum Infusion Process and Conventional Lay-Up Method" (Docket No. II-I-25).	8-7-96
II-D-27	6-10-97	W. Bailey, TPI Composites, Inc., to M. Strum, EPA:OAQPS:CCPG. Results of 1995 SCRIMP emissions test.	8-15-96
II-D-28	6-10-97	S. Buchanan, ERG, Inc., to Docket A-95-44. NMMA letter and subsequent industry correspondence.	Undated
II-D-29	12-18-97	G. House, Gougeon Brothers, Inc., to M. Strum, EPA:OAQPS:CCPG. Comments on VOC emission factors and Gougeon Brothers' epoxy products, with attachments: two reprints from Epoxyworks journal, material safety data sheets for Gougeon Brothers' epoxy products, and list of manufacturing users of epoxy products.	3-21-95
II-D-30	12-18-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. List of boat builders that have responded to the Tier 1 questionnaire and three completed questionnaires.	11-9-95

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II-D-31	12-18-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Facsimile: list of non NABM members based on TRI list.	11-27-95
II-D-32	12-18-97	J. McKnight, NMMA, to B. Jordan, EPA:OAQPS:ESD. Comments on the MACT process.	7-24-96
II-D-33	12-18-97	T. Pietraszek, TPI, Inc., to M. Strum, EPA:OAQPS:CCPG. Changes to summary of August 2, 1996 telephone conference call regarding use of SCRIMP technology and comments on case studies about SCRIMP.	10-17-96
II-D-34	12-18-97	W. Bailey, TPI Composites, Inc., to E. Goehl, ERG, Inc. Facsimile: resin data for 1996.	1-30-97
II-D-35	12-18-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Comments on industry/EPA relationship and update on progress of test data.	4-28-97
II-D-36	12-18-97	L. Craigie, The Dow Chemical Co., to M. Strum, EPA:OAQPS:CCPG. Letter regarding results of the Dow styrene emission tests using SCRIMP.	5-13-97
II-D-37	12-18-97	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Letter requesting copies of all issue group correspondence, the MACT floor database, and supporting information.	7-15-97
II-D-38	12-18-97	D. Barnhill, U.S. Marine, to M. Strum, EPA:OAQPS:CCPG. Letter regarding difficulty applying resin with non-spray techniques with photographs provided as examples.	6-3-97

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II-D-39	12-18-97	D. Hoffman, Grady-White Boats, Inc., to M. Strum, EPA:OAQPS:CCPG. Letter regarding difficulty applying resin with non-spray techniques with photographs provided as examples.	6-9-97
II-D-40	7-23-98	J. Alanko, Arctek, Inc., to M. Strum, EPA:OAQPS:CCPG. Description of CCBM technology with brochure and list of users of the technology.	1-8-97
II-D-41	7-23-98	R. Lacovara, CFA, to E. Goehl, ERG, Inc. Picture of CFA test mold used in Open Molding Studies (Docket No. II-I-29).	2-5-97
II-D-42	7-23-98	J. Kissel, Florida Dept. of Environmental Protection, to E. Goehl, ERG, Inc. Information from Mr. Kissel's site visit to Intrepid Powerboats.	6-12-97; 8-14-97
II-D-43	7-23-98	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Electronic mail: comments from NMMA on draft Boat Manufacturing rule.	8-26-97
II-D-44	7-23-98	B. King, Hillsborough County, Florida Environmental Protection Commission, to A. Reisdorph, ERG, Inc. Resin and gel coat data for three facilities in Hillsborough County, FL.	10-8-97

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II-D-45	7-23-98	J. McKnight, NMMA, to M. Strum, EPA:OAQPS:CCPG. Facsimile: comments on the Boat Manufacturing NESHAP received by NMMA from three boat manufacturers: Island Packet Yachts, Cabo Yachts, and Fountain Powerboats.	10-10-97
II-D-46	7-23-98	D. Hoffman, Grady White Boats, to M. Strum, EPA:OAQPS:CCPG. Impact of lower HAP resin costs.	10-23-97
II-D-47	7-23-98	S. McNally, CFA, to B. Jordan, EPA:OAQPS:ESD. Support for controlled spray technique to be included as part of MACT standard.	11-11-97
II-D-48	7-23-98	J. Clark, Fountain Powerboats, to B. Palmer, ERG, Inc. Facsimile: resin qualification costs and procedure.	1-9-98
II-D-49	7-23-98	T. Pepper, Ashland Chemical Co., to M. Strum, EPA:OAQPS:CCPG. Facsimile: evaluation of economic impact of lowering styrene emissions.	1-30-98
II-D-50	7-23-98	D. Herzog, Interplastic Corp., to E. Goehl, ERG, Inc. Cost and technical data for five resins.	2-25-98
II-D-51	7-23-98	M. Randolph, Bombardier Motor Corp. of America, to A. Reisdorph, ERG, Inc. Facsimile: resin and gel coat usage data for 1997.	4-1-98
II-D-52	7-23-98	P. McDonald, Reichhold Chemicals, Inc., to E. Goehl, ERG, Inc. Facsimile: product bulletins with information on Reichhold's line of marine resins.	4-17-98

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II-D-53	7-23-98	L. Craigie, Dow Chemical Co., to M. Strum, EPA:OAQPS:CCPG. Prices and styrene content of DERAKANE® epoxy vinyl ester resins.	4-27-98
II-D-54	7-23-98	J. Schweitzer, CFA, to M. Strum, EPA:OAQPS:CCPG. Facsimile: list of additional factors to include in compliance cost analysis and revisions to definition of corrosion-resistant resins.	5-9-98
II-D-55	11-30-98	Response to Fiberglass Boat Information Collection Request (ICR) received from Key West Boats, Inc., Ridgeville, SC.	11-18-97
II-D-56	11-30-98	Voluntary Response to Fiberglass Boat ICR received from Traditional Watercraft dba Island Packet Yachts, Largo, FL.	11-20-97
II-D-57	11-30-98	Response to Fiberglass Boat ICRs received from the following U.S. Marine facilities: 1. Arlington, WA 6. Salisbury, MD 2. Cumberland, MD 7. Spokane, WA 3. Miami, OK 8. Tallahassee, FL 4. Pipestone, MN 9. Valdosta, GA 5. Roseburg, OR 10. Dandridge, TN	12-18-97
II-D-58	11-30-98	Response to Fiberglass Boat ICRs received from the following Cruisers Yachts Div. of KCS International facilities: 1. Plant 1, Oconto, WI. 2. Plant 2, Oconto, WI.	1-2-98

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II-D-59	11-30-98	Response to Fiberglass Boat ICR received from Shamrock Div. of KCS International, Cape Coral, FL.	1-7-98
II-D-60	11-30-98	Response to Fiberglass Boat ICR received from Larson/Glastron Boats, Inc., Little Falls, MN.	1-7-98
II-D-61	11-30-98	Voluntary Response to Fiberglass Boat ICR received from Luhrs Corp., St. Augustine, FL.	1-7-98
II-D-62	11-30-98	Voluntary Response to Fiberglass Boat ICR received from Sabre Corp., Raymond, ME.	1-7-98
II-D-63	11-30-98	<p>The following was sent by J. McKnight, NMMA (no cover note):</p> <p>Voluntary Response to Fiberglass Boat ICRs received from the following facilities:</p> <ol style="list-style-type: none"> 1. Harris-Kayot, Inc., Ft. Wayne, IN. 2. Regulator Marine, Inc., Edenton, NC. 3. Grady White Boats, Inc., Greenville, NC. 	1-7-98

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II-D-64	11-30-98	The following was sent by M. Schmitt, Yamaha Motor Corp. (no cover note): Response to Fiberglass Boat ICRs received from the following facilities: 1. C & C Manufacturing, Inc., Panama City, FL. 2. Tennessee Watercraft, Inc., Vonore, TN. 3. Yamaha Motor Manufacturing Corp., Newnan, GA.	1-12-98
II-D-65	11-30-98	Response to Fiberglass Boat ICR received from Ranger Boats/Wood Manufacturing Co., Inc., Flippin, AR.	1-15-98
II-D-66	11-30-98	Response to Fiberglass Boat ICR received from Carver Boat Corp., Pulaski, WI.	1-20-98
II-D-67	11-30-98	Response to Fiberglass Boat ICR received from Catalina Yachts, Inc., Woodland Hills, CA.	1-20-98
II-D-68	11-30-98	Response to Fiberglass Boat ICR received from Champion Boats, Inc., Mountain Home, AR.	1-26-98
II-D-69	11-30-98	Response to Fiberglass Boat ICRs received from the following OMC Chris Craft facilities: 1. Plant 1, Sarasota, FL. 2. Plant 2, Sarasota, FL.	2-5-98

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II-D-70	11-30-98	Response to Fiberglass Boat ICRs received from the following Wellcraft Marine facilities: 1. Plant 2, Avon Park, FL. 2. Plant 4, Sarasota, FL. 3. Plant 6, Sarasota, FL.	2-10-98
II-D-71	11-30-98	Response to Aluminum Boat ICR received from Alumacraft Boat Co., St. Peter, MN.	2-11-98
II-D-72	11-30-98	Response to Aluminum Boat ICR received from Alumacraft Boat Co., Arkadelphia, AR.	2-11-98
II-D-73	11-30-98	Response to Aluminum Boat ICR received from Crestliner, Inc., Little Falls, MN.	2-11-98
II-D-74	11-30-98	Response to Aluminum Boat ICR received from Lund Boat Co., New York Mills, MN.	2-16-98
II-D-75	11-30-98	Voluntary Response to Fiberglass Boat ICR received from Dusky Marine, Inc., Dania, FL.	2-19-98
II-D-76	11-30-98	Response to Aluminum Boat ICR received from OMC Aluminum Boat Group, Lebanon, MO.	2-19-98
II-D-77	11-30-98	Response to Aluminum Boat ICR received from Tracker Marine, Bolivar, MO.	2-19-98
II-D-78	11-30-98	Response to Aluminum Boat ICR received from Tracker Marine, Lebanon, MO.	2-19-98
II-D-79	11-30-98	Response to Aluminum Boat ICR received from OMC Aluminum Boat Group, Syracuse, IN.	2-23-98

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II-D-80	11-30-98	Response to Aluminum Boat ICR received from Starcraft Marine LLC, Topeka, IN.	2-23-98
II-D-81	11-30-98	Response to Aluminum Boat ICR received from Smoker Craft, New Paris, IN.	2-23-98
II-D-82	11-30-98	Response to Fiberglass Boat ICR received from Catalina Yachts, Largo, FL.	3-17-98
II-D-83	11-30-98	Response to Fiberglass Boat ICR received from Tracker Marine, Clinton, MO.	3-19-98
II-D-84	11-30-98	Response to Fiberglass Boat ICR received from Mako Marine International, Miami, FL.	3-24-98
II-D-85	11-30-98	Response to Fiberglass Boat ICR received from Hatteras Yachts, New Bern, NC.	3-24-98
II-D-86	11-30-98	Response to Aluminum Boat ICR received from Tracker Marine dba Fisher Marine, West Point, MS.	3-25-98
II-D-87	11-30-98	Response to Fiberglass Boat ICR received from Sea Ray Boats, Phoenix, AZ.	4-2-98
II-D-88	11-30-98	Response to Fiberglass Boat ICR received from Sea Ray Boats, 100 Sea Ray Drive, Merritt Island, FL.	4-2-98
II-D-89	11-30-98	Response to Fiberglass Boat ICR received from Sea Ray Boats, 200 Sea Ray Dr., Merritt Island, FL.	4-2-98
II-D-90	11-30-98	Response to Fiberglass Boat ICR received from Sea Ray Boats, 350 Sea Ray Dr., Merritt Island, FL.	4-2-98

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II-D-91	11-30-98	Response to Fiberglass Boat ICR received from Sea Ray Boats, Palm Coast, FL.	4-2-98
II-D-92	11-30-98	Response to Fiberglass Boat ICR received from Sea Ray Boats, 5502 Island River Dr., Knoxville, TN.	4-2-98
II-D-93	11-30-98	Response to Fiberglass Boat ICR received from Sea Ray Boats, 2601 Sea Ray Blvd., Knoxville, TN.	4-2-98
II-D-94	11-30-98	Response to Fiberglass Boat ICR received from Sea Ray Boats, Vonore, TN.	4-2-98
II-D-95	11-30-98	Response to Fiberglass Boat ICR received from Baja Marine Corp., Bucyrus, OH.	4-2-98
II-D-96	11-30-98	Response to Fiberglass Boat ICR received from Boston Whaler, Inc., Edgewater, FL.	4-2-98
II-D-97	11-30-98	Response to Fiberglass Boat ICR received from Sunbird, Columbia, SC.	4-2-98
II-D-98	11-30-98	Response to Fiberglass Boat ICRs received from the following Four Winns, Inc. facilities: 1. Engineering Division, Cadillac, MI. 2. Sports Division, Cadillac, MI. 3. Cruiser Division, Cadillac, MI.	4-2-98
II-D-99	11-30-98	Response to Fiberglass Boat ICR received from Seaswirl Boats, Culver, OR.	5-5-98

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II-D-100	11-30-98	Response to Fiberglass Boat ICR received from OMC Fishing Boat Group, Inc., Murfreesboro, TN.	5-11-98
II-D-101	11-30-98	Response to Aluminum Boat ICR received from Alumaweld Boats, Inc., Eagle Point, OR.	5-18-98
II-D-102	11-30-98	Response to Aluminum Boat ICR received from Skeeter Products, Inc., Lebanon, MO.	6-3-98
II-D-103	11-30-98	B. Brown, Dusky Marine, Inc., to E. Goehl, ERG, Inc. Facsimile: ICR follow-up information.	7-3-98
II-D-104	11-30-98	B. Boyett, Catalina Yachts, to A. Reisdorph, ERG, Inc. Facsimile: ICR follow-up information.	7-27-98
II-D-105	11-30-98	D. Wright, DBW & Associates, to A. Reisdorph, ERG, Inc. Facsimile: ICR follow-up information for Catalina Yachts.	8-12-98
II-D-106	11-30-98	K. Burton. Baja Marine Corp., to A. Reisdorph, ERG, Inc. Facsimile: ICR follow-up information.	8-25-98
II-D-107	7-01-99	D. Hoffman, Grady-White Boats, to E. Goehl, ERG. Facsimile: non-spray application techniques.	8/14/97
II-D-108	7-01-99	R. Stephens, Alpha/Owens-Corning, to E. Goehl, ERG, Inc. List prices of resins.	3/3/98
II-D-109	7-01-99	B. Shepard, Alpha/Owens-Corning, to E. Goehl, ERG, Inc. Facsimile: physical property data for resins.	4/22/98

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II-D-110	7-01-99	M. Hollenbeck, Cook Composites and Polymers, to M. Proctor, Pacific Environmental Services. Facsimile: VOC information on Cook's Products.	8/26/98
II-D-111	7-01-99	B. Frank, Sherwin-Williams Co., to B. Palmer, ERG, Inc. Facsimile: prices of Sherwin-Williams coatings used by boat manufacturers.	9/10/98
II-D-112	7-01-99	L. Lake, TACC International, to E. Goehl, ERG. Facsimile: ConBond price list.	9/15/98
II-D-113	7-01-99	C. Mahon, Shell Chemical, to E. Goehl, ERG. Facsimile: Shell Chemical Marketing price schedule.	9/22/98
II-D-114	7-01-99	M. Kratzer, Rollie Williams Paint Spot, to E. Goehl, ERG. Facsimile: price quote on pure grade lacquer thinner in drums.	9/23/98
II-D-115	7-01-99	M. Miller, Fiber Glass & Resins Supply Co., Inc., to E. Goehl, ERG, Inc. Facsimile: price quote on Superior S-280 flush drums.	9/23/98
II-D-116	7-01-99	T. Wherley, Worum Chemical Co., to E. Goehl, ERG, Inc. Facsimile: price quote on 1136 thinner drum.	9/29/98
II-D-117	7-01-99	E. Thaxton, National Starch & Chemical Co., to E. Goehl, ERG, Inc. Facsimile: price quote on National products.	9/29/98
II-D-118	7-01-99	R. Robinson, R.S. Hughes Co., to E. Goehl, ERG, Inc. Facsimile: price quotes on adhesives.	9/30/98

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II-D-119	7-01-99	M. Rowe, Ashland Chemical, to E. Goehl, ERG, Inc. Facsimile: price quote on Ashland products.	9/30/98
II-D-120	7-01-99	T. Suggs, XL Corp., to E. Goehl, ERG, Inc. Facsimile: cost information on Stix 246.	10/1/98
II-D-121	7-01-99	C. Miller, Fiber Glass & Resins Supply Co., Inc., to E. Goehl, ERG, Inc. Facsimile: price quote on styrene monomer drum.	10/1/98
II-D-122	7-01-99	J. Coffey, Carquest Automotive Refinish Supply, to A. Reisdorph, ERG, Inc. Facsimile: price quote on coatings.	10/1/98
II-D-123	7-01-99	J. Coffey, Carquest Automotive Refinish Supply, to A. Reisdorph, ERG, Inc. Facsimile: price quote on coatings.	10/9/98
II-D-124	7-01-99	T. Smith, Niles Chemical Paint, to A. Reisdorph, ERG, Inc. Facsimile: price quote on coatings.	10/12/98
II-D-125	7-01-99	BASF Corp. to A. Reisdorph, ERG, Inc. Facsimile: price quote on coatings.	10/12/98
II-D-126	7-01-99	T. Nelson, U.S. Paint Corp., to A. Reisdorph, ERG, Inc. Facsimile: suggested list price schedule.	10/12/98
II-D-127	7-01-99	M. Hollenbeck, Cook Composites and Polymers, to M. Proctor, Pacific Environmental Services. Facsimile: price quote.	11/4/98

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II-D-128	7-01-99	M. Proctor, Pacific Environmental Services (PES), to E. Goehl, ERG, Inc. Facsimile: properties of Neste gel coats.	11/10/98
II-D-129	7-01-99	W. McDonald, Wellcraft Marine, to E. Goehl, ERG, Inc. Update to response to fiberglass boat ICR for Plant #6. (Item II-D-70).	11/30/98
II-D-130	7-01-99	T. DePriest, Stratos Javelin Boats (OMC), to M. Strum, EPA:CCPG. Comments on the draft MACT summary tables and update to response to fiberglass boat ICR for OMC. (Item II-D-100).	12/21/98
II-D-131	7-01-99	T. Biddison, Hydra-Sports (Sunbird), to M. Strum, EPA:CCPG. Update to response to fiberglass boat ICR for OMC. (Item II-D-97).	12/22/98
II-D-132	7-01-99	D. Austin, Four Winns, to M. Strum, EPA:CCPG. Update to response to fiberglass boat ICR. (Item II-D-98).	12/22/98
II-D-133	7-01-99	K. Boyd, Four Winns, Inc., to A. Reisdorph, ERG, Inc. Facsimile: 1997 usages for S280 and acetone.	1/15/99
II-D-134	7-01-99	K. Scott, Lily Industrial Chemicals, Inc., to A. Reisdorph, ERG, Inc. Facsimile: price quote.	2/18/99
II-D-135	7-01-99	D. Hoffman, Grady-White Boats, to E. Goehl, ERG, Inc. Facsimile: usage data for resin.	2/23/99

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II-D-136		J. Travers, Lazzara Yacht Corp., to E. Goehl, ERG, Inc. Facsimile: information about Lazzara Yacht boat manufacturing.	6/29/99

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II-E-1	6-10-97	E. Goehl, Radian Corp., to R. Cotrell, Arjay Industries. Telecon: use of pressure fed resin rollers and low pressure gel coat sprayers.	9-26-95
II-E-2	6-10-97	E. Goehl, Radian Corp., to J. Swartz, Island Packet Yachts. Telecon: use of pressure fed resin rollers and low pressure gel coat sprayers.	9-26-95
II-E-3	6-10-97	E. Goehl, Radian Corp., to D. Bramhall, Cobalt Boats. Telecon: use of pressure fed resin rollers.	11-9-95
II-E-4	6-10-97	B. Palmer, Radian Corp., to J. Spaulding, The Hinckley Co. Telecon: comments on SCRIMP technology.	11-9-95
II-E-5	6-10-97	E. Goehl, Radian Corp., to S. Fielder, Sea Ray Boats, Inc. Telecon: use of chopper flowcoaters.	12-13-95
II-E-6	6-10-97	M. Strum, EPA:OAQPS:CCPG, to B. Holby, Holby Marine. Telecon: comments on SCRIMP technology.	2-16-96
II-E-7	6-10-97	B. Palmer, Radian Corp., to C. Edging, Corsair Marine, Inc. Telecon: use of vacuum bag molding.	3-11-96

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II-E-8	6-10-97	M. Strum, EPA:OAQPS:CCPG, to P-MACT Participants. Minutes: February 29, 1996 conference call, with attachments: briefing package, case studies, and summary of information from the International Boatbuilders Exhibition and Conference.	3-22-96
II-E-9	6-10-97	B. Palmer, Radian Corp., to E. Uhtenwoldt, Outboard Marine Corp. Fishing Boat Group. Telecon: follow-up on production and resin application information in the case study (Docket No. II-E-23).	5-7-96
II-E-10	6-10-97	B. Palmer, Radian Corp., to C. Baller, Gold Shield Fiberglass of Indiana. Telecon: information about resin usage on PWCs.	5-7-96
II-E-11	6-10-97	B. Palmer, Radian Corp., to J. Swartz, Island Packet Yachts. Telecon: use of resin rollers.	5-20-96
II-E-12	6-10-97	C. White and B. Palmer, ERG, Inc., to W. Bailey, TPI Composites, Inc. Telecon: discussion of cost analysis of SCRIMP (Docket No. II-D-20).	6-21-96
II-E-13	6-10-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Minutes: June 24, 1996 meeting at Logic Marine Corp., Durham, NC to discuss their rotationally molded polyethylene boat manufacturing process.	7-29-96
II-E-14	6-10-97	B. Palmer, ERG, Inc., to R. Freeman, MasterCraft Boat Co. Telecon: use of resin rollers.	7-10-96

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II-E-15	6-10-97	C. White, ERG, Inc., to J. Spaulding and P. Reeves, North End Composites. Telecon: discussion of costs of RTM and SMC.	7-18-96
II-E-16	6-10-97	C. White, ERG, Inc., to T. Hawtree, Applied Composites. Telecon: discussion of fabrication of PWC parts using SMC.	7-19-96
II-E-17	6-10-97	C. White, ERG, Inc., to B. Nelson, Kawasaki, Inc. Telecon: discussion of the use of RTM and SMC for PWC.	7-22-96
II-E-18	6-10-97	C. White, ERG, Inc., to R. Lacovara, CFA. Telecon: discussion of RTM cost analysis in December/January and February/March issues of Professional BoatBuilder (Docket Nos. II-I-20 and II-I-21).	7-22-96
II-E-19	6-10-97	C. White, ERG, Inc., to E. Sayre, JY Sailboats. Telecon: discussion of a new molding process that does not involve thermosetting resins.	7-24-96
II-E-20	6-10-97	B. Palmer, ERG, Inc., to J. Laurin, Polaris Industries, Inc. Telecon: discussion of PWC manufacturing.	7-24-96
II-E-21	6-10-97	M. Strum, EPA:OAQPS:CCPG, to P-MACT Participants. Describing the transition from the P-MACT process to MACT standards development, with attachment: June 25, 1996 meeting minutes.	8-6-96
II-E-22	6-10-97	E. Goehl, ERG, Inc., to S. Lanier, Wellcraft. Telecon: discussion of Wellcraft's decision to use SCRIMP.	8-19-96

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II-E-23	6-10-97	M. Strum, EPA:OAQPS:CCPG, to P-MACT Participants. Minutes: August 27, 1996 meeting, with attachments: P-MACT list of major issues and briefing package.	9-30-96
II-E-24	6-10-97	S. Buchanan, ERG, Inc., to Docket A-95-44. Telecons by P-MACT Participants on facility resin use practices.	Undated
II-E-25	12-18-97	J. Steger, Radian Corp., to M. Strum, EPA:OAQPS:CCPG. Summary of August 29, 1995 meeting between EPA and representatives of NMMA.	10-2-95
II-E-26	12-18-97	M. Strum, EPA:OAQPS:CCPG, to E. Pearson, TPI Composites, Inc. Summary of August 2, 1996 telephone conference call regarding use of SCRIMP technology with enclosed case studies about SCRIMP.	9-10-96
II-E-27	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of September 19, 1996 (First) Telephone Conference Call for the Boat Manufacturing NESHAP Emissions Data Issue Group.	9-30-96
II-E-28	12-18-97	C. White, ERG, Inc., to E. Raphael, Navistar. Telecon: manufacturing of PWC.	10-4-96
II-E-29	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of October 17, 1996 (First) Telephone Conference Call for the Boat Manufacturing NESHAP Gel Coat/Lower HAP Resin Issue Group.	11-5-96

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II-E-30	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of October 21, 1996 (Second) Telephone Conference Call for the Boat Manufacturing NESHAP Emissions Data Issue Group.	11-6-96
II-E-31	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of October 18, 1996 (First) Telephone Conference Call for the Boat Manufacturing NESHAP Controlled Spraying Issue Group.	11-12-96
II-E-32	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of October 23, 1996 (First) Telephone Conference Call for the Boat Manufacturing NESHAP Closed Molding for PWC Issue Group.	11-18-96
II-E-33	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of November 20, 1996 (First) Telephone Conference Call for the Boat Manufacturing NESHAP Material Substitution Issue Group.	11-25-96
II-E-34	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of November 19, 1996 (First) Telephone Conference Call for the Boat Manufacturing NESHAP Closed Molding for Boats Issue Group.	11-26-96
II-E-35	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of November 7, 1996 (First) Telephone Conference Call for the Boat Manufacturing NESHAP Exempt Sources Issue Group.	11-27-96

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II-E-36	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of November 14, 1996 (First) Telephone Conference Call for the Boat Manufacturing NESHAP Small Parts Issue Group.	12-5-96
II-E-37	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of November 21, 1996 (Second) Telephone Conference Call for the Boat Manufacturing NESHAP Gel Coat/Lower HAP Resin Issue Group.	12-5-96
II-E-38	12-18-97	M. Strum, EPA:OAQPS:CCPG, to B. Nelson, Kawasaki, MMA. Telecon: details about the RTM process at Kawasaki.	12-11-96
II-E-39	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of December 12, 1996 (Second) Telephone Conference Call for the Boat Manufacturing NESHAP Exempt Sources Issue Group.	12-17-96
II-E-40	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of December 9, 1996 (Third) Telephone Conference Call for the Boat Manufacturing NESHAP Emissions Data Issue Group.	12-18-96
II-E-41	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of December 11, 1996 (Second) Telephone Conference Call for the Boat Manufacturing NESHAP Closed Molding for PWC Issue Group.	12-19-96

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II-E-42	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of January 10, 1997 (Second) Telephone Conference Call for the Boat Manufacturing NESHAP Material Substitution Issue Group.	1-14-97
II-E-43	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of January 21, 1997 (Third) Telephone Conference Call for the Boat Manufacturing NESHAP Closed Molding for PWC Issue Group.	1-29-97
II-E-44	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of January 13, 1997 (Second) Telephone Conference Call for the Boat Manufacturing NESHAP Small Parts Issue Group.	2-12-97
II-E-45	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of February 10, 1997 (Third) Telephone Conference Call for the Boat Manufacturing NESHAP Material Substitution Issue Group.	2-14-97
II-E-46	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of January 30, 1997 (Second) Telephone Conference Call for the Boat Manufacturing NESHAP Closed Molding for Boats Issue Group.	2-18-97
II-E-47	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of February 4, 1997 (Second) Telephone Conference Call for the Boat Manufacturing NESHAP Controlled Spraying Issue Group.	2-18-97

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II-E-48	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of February 6, 1997 (Third) Telephone Conference Call for the Boat Manufacturing NESHAP Exempt Sources Issue Group.	2-20-97
II-E-49	12-18-97	E. Goehl, ERG, Inc., to R. Looney, Hatteras Yachts. Telecon: CCBM resin infusion method.	2-20-97
II-E-50	12-18-97	S. Buchanan, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of February 20, 1997 (Third) Telephone Conference Call for the Boat Manufacturing NESHAP Gel Coat/Lower HAP Resin Issue Group.	2-28-97
II-E-51	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of February 24, 1997 (Fourth) Telephone Conference Call for the Boat Manufacturing NESHAP Emissions Data Issue Group.	3-4-97
II-E-52	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of March 6, 1997 (Fourth) Telephone Conference Call for the Boat Manufacturing NESHAP Exempt Sources Issue Group.	3-7-97
II-E-53	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of March 12, 1997 (Fourth) Telephone Conference Call for the Boat Manufacturing NESHAP Closed Molding for PWC Issue Group.	3-18-97

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II-E-54	12-18-97	B. Palmer and C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of March 4 and March 11, 1997 (Third) Telephone Conference Calls for the Boat Manufacturing NESHAP Controlled Spraying Issue Group.	3-19-97
II-E-55	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of March 18, 1997 (Third) Telephone Conference Call for the Boat Manufacturing NESHAP Closed Molding for Boats Issue Group.	3-26-97
II-E-56	12-18-97	E. Goehl, ERG, Inc., to C. Rolland, Arctic Cat, Inc. Telecon: use of cold press molding.	3-28-97
II-E-57	12-18-97	S. Buchanan, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of March 20, 1997 (Fourth) Telephone Conference Call for the Boat Manufacturing NESHAP Gel Coat/Lower HAP Resin Issue Group.	3-31-97
II-E-58	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of information collected from Bombardier, Inc., during February 10, 1997 conference call.	4-3-97
II-E-59	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of March 25, 1997 (Fourth) Telephone Conference Call for the Boat Manufacturing NESHAP Material Substitution Issue Group.	4-9-97

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II-E-60	12-18-97	S. Buchanan, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of April 17, 1997 (Fifth) Telephone Conference Call for the Boat Manufacturing NESHAP Gel Coat/Lower HAP Resin Issue Group.	4-24-97
II-E-61	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of April 11 and 18, 1997 (Fifth) Telephone Conference Calls for the Boat Manufacturing NESHAP Exempt Sources Issue Group.	4-28-97
II-E-62	12-18-97	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of April 28, 1997 (Fourth) Telephone Conference Call for the Boat Manufacturing NESHAP Controlled Spraying Issue Group.	5-12-97
II-E-63	12-18-97	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of April 22, 1997 (Fourth) Telephone Conference Call for the Boat Manufacturing NESHAP Closed Molding for Boats Issue Group.	5-13-97
II-E-64	12-18-97	S. Buchanan, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of May 15, 1997 (Sixth) Telephone Conference Call for the Boat Manufacturing NESHAP Gel Coat/Lower HAP Resin Issue Group.	5-29-97
II-E-65	12-18-97	E. Goehl and B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of May 27, 1997 (Fifth) Telephone Conference Call for the Boat Manufacturing NESHAP Controlled Spraying Issue Group.	6-6-97

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II-E-66	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of May 22, 1997 (Fifth) Telephone Conference Call for the Boat Manufacturing NESHAP Material Substitution Issue Group.	6-12-97
II-E-67	12-18-97	M. Strum, EPA:OAQPS:CCPG, to L. Clutter, Tracker Marine. Telecon: use of 100 percent non-spray resin application methods for difficult areas/parts.	6-20-97
II-E-68	12-18-97	E. Goehl and A. Reisdorph, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of June 11, 1997 (Sixth) Telephone Conference Call for the Boat Manufacturing NESHAP Exempt Sources Issue Group.	6-23-97
II-E-69	12-18-97	E. Goehl and B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of June 24, 1997 (Sixth) Telephone Conference Call for the Boat Manufacturing NESHAP Controlled Spraying Issue Group.	7-1-97
II-E-70	12-18-97	E. Goehl, ERG, Inc., to D. Pearson, U.S. Marine Corp. Telecon: styrene content of resins used in 1996.	7-8-97
II-E-71	12-18-97	C. White, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of June 25, 1997 (Sixth) Telephone Conference Call for the Boat Manufacturing NESHAP Material Substitution Issue Group.	7-9-97

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II-E-72	12-18-97	E. Goehl, ERG, Inc., to K. Thompson, Sea Ray Boats. Telecon: use of 100 percent non-spray resin application methods with 35 percent styrene resins at three TN facilities.	7-10-97
II-E-73	12-18-97	E. Goehl, ERG, Inc., to J. Michel, Intrepid Powerboats. Telecon: use of 100 percent non-spray resin application methods for difficult areas/parts.	7-29-97
II-E-74	12-18-97	E. Goehl, ERG, Inc., to J. Swartz, Island Packet Yachts. Telecon: use of 100 percent non-spray resin application methods for difficult areas/parts.	7-29-97
II-E-75	12-18-97	S. Buchanan, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of July 17, 1997 (Seventh) Telephone Conference Call for the Boat Manufacturing NESHAP Gel Coat/Lower HAP Resin Issue Group.	7-30-97
II-E-76	12-18-97	E. Goehl, ERG, Inc., to S. Stepp, Velocity Powerboats. Telecon: verification of styrene content of resins used and method of resin application.	8-5-97
II-E-77	12-18-97	S. Buchanan, ERG, Inc., to Docket A-95-44. Contacts by P-MACT Participants on facility resin use practices for Catalina Yachts and Santa Cruz Yachts.	8-5-97

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II-E-78	7-23-98	M. Proctor, Pacific Environmental Services, Inc., to J. Tracy, Venus Gusmer. Telecon: costs to convert a Venus Gusmer spray gun to a flowcoater.	3-18-96
II-E-79	7-23-98	B. Palmer, ERG, Inc., to J. Weiss, Target Coatings. Telecon: cost of waterborne wood sealers and varnishes.	5-28-97
II-E-80	7-23-98	A. Reisdorph, ERG, Inc., to J. Schoessler, Admiral Marine Works, Inc. Telecon: fiberglass use in shipbuilding operations.	7-24-97 ; 10-17-97
II-E-81	7-23-98	E. Goehl, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of July 29, 1997 (Seventh) Telephone Conference Call for the Boat Manufacturing NESHAP Controlled Spraying Issue Group.	8-11-97
II-E-82	7-23-98	B. Palmer, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of August 5, 1997 (Seventh) Telephone Conference Call for the Boat Manufacturing NESHAP Format of the Standard Issue Group.	8-11-97
II-E-83	7-23-98	E. Goehl and A. Reisdorph, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of July 31, 1997 (Seventh) Telephone Conference Call for the Boat Manufacturing NESHAP Exempt Sources Issue Group.	8-18-97
II-E-84	7-23-98	C. Vineyard, EPA Region 9, to Controlled Spraying Issue Group Participants. Electronic mail: conclusion of the Controlled Spraying Issue Group.	10-21-97

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II-E-85	7-23-98	S. Buchanan, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of August 28, 1997 Boat Manufacturing NESHAP Stakeholder meeting.	11-5-97
II-E-86	7-23-98	E. Goehl and A. Reisdorph, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of September 19, 1997 (Eighth) and October 9, 1997 (Ninth) Telephone Conference Calls for the Boat Manufacturing NESHAP Exempt Sources Issue Group.	11-10-97
II-E-87	7-23-98	E. Goehl and A. Reisdorph, ERG, Inc., to M. Strum, EPA:OAQPS:CCPG. Summary of November 19, 1997 Telephone Conference Call for the Aluminum Boat Manufacturers group.	12-10-97
II-E-88	7-23-98	E. Goehl, ERG, Inc., to L. Sours, GS Manufacturing. Telecon: cost of flowcoater systems.	1-30-98
II-E-89	7-23-98	E. Goehl, ERG, Inc., to C. Macer, Glas - Craft. Telecon: cost of flowcoater systems.	1-30-98
II-E-90	7-23-98	E. Goehl, ERG, Inc., to J. Cuzzupe, J.M. Thomas Co. Telecon: cost of flowcoater systems.	2-2-98
II-E-91	7-23-98	E. Goehl and B. Palmer, ERG, Inc., to D. Herzog, Interplastic Corp. Telecon: cost data and definitions of physical performance parameters for resins.	2-20-98
II-E-92	7-23-98	E. Goehl, ERG, Inc., to J. Schuck, Cook Composites and Polymers. Telecon: cost and technical data for resins.	2-20-98

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II-E-93	7-23-98	E. Goehl, ERG, Inc., to B. Brody, Ashland Chemical Co. Telecon: cost and technical data for resins.	4-2-98
II-E-94	7-23-98	E. Goehl, ERG, Inc., to J. Nery, Willard Marine. Telecon: information on ship manufacturers who primarily use fiberglass to build ships.	4-3-98
II-E-95	11-30-98	E. Goehl, ERG, Inc., to K. Thompson, Sea Ray Boats. Telecon: confirming ICR information changes.	9-1-98
II-E-96	11-30-98	E. Goehl, ERG, Inc., to J. Black, OMC Fishing Boat Group, Inc. Telecon: confirming ICR information changes.	11-17-98
II-E-97	11-30-98	E. Goehl, ERG, Inc., to P. Larsen, Larson/Glastron Boats, Inc. Telecon: confirming ICR information changes.	11-17-98
II-E-98	11-30-98	E. Goehl, ERG, Inc., to D. Hoffman, Grady White Boats. Telecon: confirming ICR information changes.	11-17-98
II-E-99	11-30-98	E. Goehl, ERG, Inc., to T. Maloney, Carver Boat Co. Telecon: confirming ICR information changes.	11-17-98
II-E-100	11-30-98	E. Goehl, ERG, Inc., to K. Burton, Baja Marine Corp. Telecon: confirming ICR information changes.	11-17-98
II-E-101	11-30-98	E. Goehl, ERG, Inc., to B. Biedenweg, Harris-Kayot, Inc. Telecon: confirming ICR information changes.	11-17-98

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II-E-102	11-30-98	E. Goehl, ERG, Inc., to J. Swartz, Island Packet Yachts. Telecon: confirming ICR information changes.	11-17-98
II-E-103	11-30-98	E. Goehl, ERG, Inc., to R. Sheppard, Sea Ray Boats. Telecon: confirming ICR information changes.	11-17-98
II-E-104	11-30-98	E. Goehl, ERG, Inc., to K. Howard, Ranger Boats. Telecon: confirming ICR information changes.	11-18-98
II-E-105	11-30-98	E. Goehl, ERG, Inc., to J. Melby, Wellcraft Marine, Avon Park, FL. Telecon: confirming ICR information changes.	11-19-98
II-E-106	11-30-98	E. Goehl, ERG, Inc., to L. Joyner, Hatteras Yachts. Telecon: confirming ICR information changes.	11-19-98
II-E-107	7-01-99	E. Goehl, ERG, Inc., to J. Mathias, Naval Surface Warfare Center. Telecon: identification of ship manufacturers that use fiberglass.	4/16/98
II-E-108	7-01-99	E. Goehl, ERG, Inc., to J. Hodges, McWhorter Technologies, Inc. Telecon: general information on flame retardant resins.	6/11/98
II-E-109	7-01-99	B. Palmer, ERG, Inc., to S. Brock, C-Hawk Boats. Telecon: information about C-Hawk products.	6/30/98
II-E-110	7-01-99	B. Palmer, ERG, Inc., to J. Mason and O. Maxwell, Regulator Marine. Telecon: costs associated with switching to lower emitting resin and gel coat application equipment.	7/6/98 7/13/98 7/14/98

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II-E-111	7-01-99	T. Manners, EPA:CCPG, to File. Memorandum: Small Business Ombudsman/Small Business Assistance (SBO/SBA) Program National Conference Presentation Regarding 10-surface Coating MACTs.	7/20/98
II-E-112	7-01-99	E. Goehl, ERG, Inc., to H. Reid, Imperial Adhesives, Inc. Telecon: adhesive cost information.	9/15/98
II-E-113	7-01-99	S. McKee, Pacific Environmental Services, Inc. (PES), to T. McQuarrie, Glasforms, Inc. Telecon: mixer cover costs.	10/9/98 10/16/98
II-E-114	7-01-99	M. Proctor, PES, Inc., to K. Kigweba, Ferro Corp. Telecon: price and specific gravity of tooling gelcoats.	11/3/98
II-E-115	7-01-99	E. Goehl, ERG, Inc., to R. St. John, Boston Whaler. Telecon: follow-up on ICR data. (Item II-D-96)	11/17/98
II-E-116	7-01-99	E. Goehl, ERG, Inc., to Y. Lebel, Catalina Yachts. Telecon: follow-up on ICR data. (Item II-D-82)	11/17/98
II-E-117	7-01-99	E. Goehl, ERG, Inc., to M. O'Connell, C&C Manufacturing. Telecon: follow-up on ICR data. (Item II-D-64)	11/17/98
II-E-118	7-01-99	E. Goehl, ERG, Inc., to D. Elsen, Luhrs Corp. Telecon: follow-up on ICR data. (Item II-D-61)	11/17/98

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Category II-E
EPA Memoranda of Meetings and Telephone Conversations
With Outside Persons

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-E-119	7-01-99	E. Goehl, ERG, Inc., to M. Ferreira, Shamrock Div. of KCS International. Telecon: follow-up on ICR data. (Item II-D-59)	11/19/98
II-E-120	7-01-99	E. Goehl, ERG, Inc., to O. Maxwell, Regulator Marine. Telecon: follow-up on ICR data. (Item II-D-63)	11/19/98
II-E-121	7-01-99	B. Palmer, ERG, Inc., to P. Larsen, Larson/Glastron Boats. Telecon: costs associated with switching to non-atomized resin application.	12/7/98 12/8/98
II-E-122	7-01-99	E. Goehl, ERG, Inc., to J. Denton, Sea Ray Boats. Telecon: conversion process from high-HAP to water-based adhesives.	12/14/98 1/5/99
II-E-123	7-01-99	M. Strum, EPA:CCPG, to J. McKnight, NMMA. Minutes: November 10, 1998 Boat Manufacturing NESHAP Stakeholders Meeting. Attachments: 1) attendance list 2) agenda 3) handouts 4) list of steps taken to created the database 5) survey data reduction example 6) economic analysis of the Boat Manufacturing NESHAP	1/25/99
II-E-124	7-01-99	E. Goehl, ERG, Inc., to F. George, GFI. Telecon: prices of methylene chloride.	3/26/99

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<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-E-125	7-01-99	E. Goehl, ERG, Inc., to G. Andrews, Sea Ray Boats. Telecon: costs resulting from switching from spray guns to flowcoaters.	4/12/99
II-E-126	7-01-99	E. Goehl, ERG, Inc., to D. Hoffman, Grady-White Boats. Telecon: costs resulting from switching from spray guns to flowcoaters.	4/12/99
II-E-127	7-01-99	E. Goehl, ERG, Inc., to J. Cuzzupe, J.M. Thomas Co. Telecon: costs resulting from switching from spray guns to flowcoaters.	4/13/99
II-E-128	7-01-99	E. Goehl, ERG, Inc., to M. Hollenbeck, Cook Composites and Polymers. Telecon: amount of wax in enamel gel coats.	5/5/99
II-E-129		B. Palmer, ERG, Inc., to M. Morris, EPA:OCG. Memorandum: Final Summary of June 8, 1999 Boat Manufacturing NESHAP Meeting with NMMA.	7/7/99
II-E-130		B. Palmer, ERG, to Project file and docket A-95-44. Memorandum: Record of conference call between EPA and NMMA to discuss the Boat Manufacturing NESHAP Proposed Rule.	7/12/00

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Category II-I
References Not Readily Available to the Public Elsewhere

<u>Documen t Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Documen t</u>
II-I-1	2-1-96	Waste Reduction: Strategies for Fiberglass Fabricators. D. Hillis and A.D. Davis, East Carolina University. 144 pgs.	Undated
II-I-2	2-1-96	Fabric Impregnators. Professional BoatBuilder. P. Lazarus. Pgs. 34-40.	Jun/Jul 1990
II-I-3	2-1-96	The Changing Face of Polyester Resins. Professional BoatBuilder. B. Pfund. Pgs. 28-31, 33.	Dec/Jan 1991
II-I-4	2-1-96	Boatmaker Finds Solvent Substitute, Cuts Emissions, Costs. Hazmat World. M. Melody. 4 pgs.	Feb 92
II-I-5	2-1-96	Light-Curing Resins. Professional BoatBuilder. B. Pfund. Pgs. 8-14, 16.	Aug/Sep 1992
II-I-6	2-1-96	Lights! Action! Cure! Professional BoatBuilder. B. Pfund. Pgs. 17-18.	Aug/Sep 1992
II-I-7	2-1-96	Air Quality: VOC Testing, epoxies, and your shop. EPOXYWORKS Reprint. T. Atkinson and G. House. Pgs. 1-4.	Spring 1993
II-I-8	2-1-96	Profitable Compliance. Professional BoatBuilder. R. Cottrell. Pgs. 18-21, 23-25.	Feb/Mar 1993
II-I-9	2-1-96	Living with 1162. Professional BoatBuilder. P. Lazarus. Pgs. 8-9, 11-12, 15, 17.	Oct/Nov 1993
II-I-10	2-1-96	Infusion! Professional BoatBuilder. P. Lazarus. Pgs. 42-46, 48, 51-53, 55.	Oct/Nov 1994
II-I-11	2-1-96	M. Blackistone, et al., to NABM Members. NMMA MACT Survey.	11-18-94

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References Not Readily Available to the Public Elsewhere

<u>Documen t Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Documen t</u>
II-I-12	2-1-96	Replacing Acetone. Professional BoatBuilder. B. Walsh. Pgs. 20-21, 23-24, 26.	Feb/Mar 1995
II-I-13	2-1-96	DSM Halves Styrene Emissions with Insert. Reinforced Plastics. Pg. 14.	Jun 95
II-I-14	2-1-96	Flo-Coat Nozzle Reduces Emissions During Spray-Up. Reinforced Plastics. Pg. 18.	Jun 95
II-I-15	2-1-96	Open-Process Molding and Clean Air - A Success Story. Composites Technology. D. Dawson. Pgs. 14-18.	July/Aug 1995
II-I-16	6-10-97	Resin-transfer Molding: a Cost-effective Alternative. E. Galli. Plastics Design Forum. pp. 47-53.	Mar/Apr 1982
II-I-17	6-10-97	Vacuum Bagging Technique. Boatbuilder's Manual, 6th ed. Menasha Ridge Press, Birmingham, AL. pp. 67-71.	1987
II-I-18	6-10-97	Flow Coaters. Professional BoatBuilder. P. Lazarus, Senior Editor. pp. 58-59.	Oct/Nov 1993
II-I-19	6-10-97	The Effect of Styrene on Marine Composites Subjected to Constant Amplitude Fatigue Deflection. Masters Thesis by N. Rohan, Division of Marine and Environmental Systems, Florida Institute of Technology. 81 p.	Dec 93
II-I-20	6-10-97	Resin-Transfer Molding. Professional BoatBuilder. R. Lacovara, CFA. pp. 44-48.	Dec/Jan 1994

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<u>Documen t Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Documen t</u>
II-I-21	6-10-97	Resin-Transfer Molding - Part Two. Professional BoatBuilder. R. Lacovara, CFA. pp. 34-41.	Feb/Mar 1994
II-I-22	6-10-97	SCRIMP V.O.C. Determination Test Description. P. Mosher. 2 p.	9-28-94
II-I-23	6-10-97	Near-zero styrene emissions, aerospace quality and huge, high strength parts are more than promises with "SCRIMP". Reinforced Plastics Newsletter. Volume XVIII, No. 42. 11 p.	10-31-94
II-I-24	6-10-97	Infusion, Part Two. Professional BoatBuilder. P. Lazarus, Senior Editor. pp. 28-34.	Dec/Jan 1995
II-I-25	6-10-97	Comparison of Fatigue and Static Physical Properties of Plaques Made With Various Resins Constructed Using a Vacuum Infusion Process and Conventional Lay-Up Method. D. Herzog, L. Ross, T. Brown, and M. Kastl, Interplastic Corp. 24 p.	Mar 96
II-I-26	6-10-97	J. McKnight, NMMA, to L. Craigie, Dow Chemical Co. Comments regarding emission tests conducted by Dow during the manufacture of small reinforced plastic parts.	3-21-96
II-I-27	6-10-97	L. Craigie, Dow Chemical Co., to J. McKnight, NMMA. Letter regarding the intent of the Dow styrene emission tests.	4-11-96
II-I-28	6-10-97	LSE [low styrene emission] Gel-coats Lead Resin Development at JEC. Reinforced Plastics. A. Weaver, Editor. pp. 40-44.	Jun 96

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<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-I-29	6-10-97	CFA Open Molding Styrene Emissions Test Project: Phase I - Baseline Study: Hand Lay-Up, Gel Coating, Spray-Up. Final Report. R. Lacovara, CFA, L. Craigie, T. Cowley, P. Wykowski, and G. Webster, Dow Chemical Co. 289 p.	Sep 96
II-I-30	12-18-97	L. Ceron, EPA Region 4, to M. Strum, EPA:OAQPS:CCPG. 1995 operating permit for Gibson Fiberglass Products, Inc., Goodlettsville, TN.	Undated
II-I-31	12-18-97	L. Ceron, EPA Region 4, to M. Strum, EPA:OAQPS:CCPG. Facsimile: permit application for Fiberglass Works, Inc., Dickson, TN.	6-3-96
II-I-32	12-18-97	S. Buchanan, ERG, Inc., to Docket A-95-44. Reinforced Plastic Composites Survey Responses for Grady White Boats, Inc., and Odom Fiberglass, Inc.	8-5-97
II-I-33	12-18-97	Baseline Characterization of Emissions from Fiberglass Boat Manufacturing. Prepared for NMMA by Stelling Engineering, P.A., Durham, NC, Air-Tech Environmental LLC, Research Triangle Park, NC, and Radian International LLC, Research Triangle Park, NC. 86 pp.	8-97
II-I-34	7-23-98	J. Stelling, Radian Corp., to J. McKnight, NMMA. Quality Assurance Project Plan for the NMMA baseline emission testing project (test report is Docket No. II-I-33).	3-13-97

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<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-I-35	7-23-98	Part of operating permit for Intrepid Powerboats (Viking Yacht Co.), St. Petersburg, FL.	4-10-97
II-I-36	7-23-98	J. Burt, Georgia Dept. of Natural Resources, to A. Reisdorph, ERG, Inc. Part of the Title V Permit Application for Intermarine USA, Savannah, GA.	11-25-97
II-I-37	7-23-98	H. Naour, Illinois Environmental Protection Agency, to E. Goehl, ERG, Inc. Facsimile: permit information about Pittsburg Fiberglass, Inc.	6-6-98
II-I-38	7-01-99	Mainstreaming Welded Aluminum. Professional BoatBuilder. C. Summers. Pgs. 26-36.	Feb/Mar 1993
II-I-39	7-01-99	Manufacturing Wooden Boats. Professional Boatbuilder. P. Lazarus. Pgs. 32-41.	Jun/Jul 1993
II-I-40	7-01-99	Inside Look: Alumaweld Boats. Professional Boatbuilder. C. Summers. Pgs. 20-29.	Dec/Jan 1994
II-I-41	7-01-99	Resin-Transfer Molding - Part Two. Professional Boatbuilder. B. Lacovara. Pgs. 35-41.	Feb/Mar 1994
II-I-42	7-01-99	Plastic Kayak Construction. Professional Boatbuilder. J. Hall. Pgs. 33-37.	Jun/Jul 1994
II-I-43	7-01-99	Painting Production Aluminum Boats. Professional Boatbuilder. C. Summers. Pgs. 36-45.	Oct/Nov 1995

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References Not Readily Available to the Public Elsewhere

<u>Documen t Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Documen t</u>
II-I-44	7-01-99	"Environmentally Responsible Resins & Gel Coats". Received from J. Schuck, Cook Composites and Polymers on March 2, 1998.	1996
II-I-45	7-01-99	Toward a Family of Fishing Boats. Boating Industry. D. Wirth. Pgs. 41-47.	Apr 1997
II-I-46	7-01-99	Molded Integral Grid Systems. Professional Boatbuilder. R. Mazza. Pgs. 28-33	Apr/May 1997
II-I-47	7-01-99	Advances in In-Mould Coatings. Reinforced Plastics. Pgs. 34-40.	May 1997
II-I-48	7-01-99	Jamestown Distributors. Fasteners, Boatbuilding and Woodworking Supplies. Summer/Fall 1997 catalog. pp. 112-114.	1997
II-I-49	7-01-99	We•no•nah Canoe Inc. Professional Boatbuilder. B. Walsh. Pgs. 36-40.	Oct/Nov 1997
II-I-50	7-01-99	GRP Meets the Jet Ski Challenge. Reinforced Plastics. G. Marsh. Pgs. 34-38.	Dec 1997
II-I-51	7-01-99	Large-Scale Cold-Molding: Building the Boat. Professional Boatbuilder. B. Mayher. Pgs. 52-54.	Feb/Mar 1998
II-I-52		"Standard Procedures for Collection of Coating and Ink Samples for Analysis By Reference Methods 24 and 24A." EPA-340/1-91-010. Prepared by OAQPS.	9/91

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<u>Documen t Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Documen t</u>
II-I-53		EPA Promulgated Test Methods: 1. Method 18, "Measurement of Gaseous Organic Compound Emissions by Gas Chromatography" 2. Method 25a, "Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer" 3. Method 204, "Permanent or Temporary Total Enclosure for Determining Capture Efficiency" 4. Method 311, "Analysis of Hazardous Air Pollutant Compounds in Paints and Coatings by Direct Injection into a Gas Chromatograph"	
II-I-54		EPA Boat Manufacturing NESHAP Database in MS Excel format. Data is from Section 114 Information Collection Requests, case studies, trip reports and air permits, and is organized by emission source.	
II-I-55		EPA Boat Manufacturing NESHAP Database in MS Excel format. Cost Data.	

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

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
II-J-1		<u>Federal Register</u> Notice which expands the scope of the Boat Manufacturing Source Category to include aluminum boats. 64 FR 63025.	11/18/99

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Category III-A
Notice of Proposed Rulemaking

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
III-A-1		Notice of Proposed Rulemaking -- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing. June 12, 2000.	6/12/00
III-A-2		<u>Federal Register</u> . National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing; Proposed Rule. 65FR43842.	7/14/00

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Category IV-B
Additional EPA Factual Memoranda

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-B-1		L. Connor, EPA:AQSSD, to M. Morris, EPA:ESD. Memorandum: Comparison of Economic and Small Entity Impacts of the Boat Manufacturing NESHAP between the SIC and NAICS industry classification systems.	5/2/01
IV-B-2		F. Thompson, EPA:SMAG, to P. Lassiter, EPA:OCG. Memorandum: Voluntary Consensus Standard Results for the Boat Manufacturing NESHAP Final Rule.	6/7/01

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Category IV-D
Additional Comments Received

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-D-1		D. Kesar, Maverick Boat Company, Inc., to Air and Radiation Docket and Information Center (Air Docket). Comments on Proposed Boat Manufacturing NESHAP.	8/13/00
IV-D-2	9/11/00	D. Leeser, Plexus, to Air Docket. Comments on Proposed Boat Manufacturing NESHAP.	8/21/00
IV-D-3	9/11/00	J. Fulks, Mariah Boats, Inc., to Air Docket. Comments on Proposed Boat Manufacturing NESHAP.	9/5/00
IV-D-4	9/11/00	D. Hoffman, Grady-White Boats, Inc., to Air Docket. Comments on Proposed Boat Manufacturing NESHAP.	9/5/00
IV-D-5	9/11/00	J. Williams, Stamas Yacht, Inc., to Air Docket. Comments on Proposed Boat Manufacturing NESHAP.	9/5/00
IV-D-6	9/11/00	R. Roepke, Fiberdome, Inc., to Air Docket. Comments on Proposed Boat Manufacturing NESHAP.	9/6/00
IV-D-7	9/11/00	J. Chriss, Sumerset Custom Houseboats, to Air Docket. Comments on Proposed Boat Manufacturing NESHAP.	9/7/00
IV-D-8	9/12/00	C. Pigeon, Tigé Boats, Inc. Comments on Proposed Boat Manufacturing NESHAP.	9/7/00
IV-D-9	9/7/00	J. Beardsley, 3M, to Air Docket. Comments on Proposed Boat Manufacturing NESHAP.	9/7/00
IV-D-10	9/19/00	L. Baker, Ashland Specialty Chemical Co. Comments on Proposed Boat Manufacturing NESHAP.	9/7/00

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Additional Comments Received

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-D-11		B. Crowell, Reichhold. Comments on Proposed Boat Manufacturing NESHAP.	9/8/00
IV-D-12	9/14/00	T. Musson, The Hinckley Co. Comments on Proposed Boat Manufacturing NESHAP.	9/8/00
IV-D-13	9/18/00	Shelly Alofs, Regal Marine Industries, Inc. Comments on Proposed Boat Manufacturing NESHAP.	9/9/00
IV-D-14	9/12/00	R. Seidelman, Egg Harbor Yachts. Comments on Proposed Boat Manufacturing NESHAP.	9/11/00
IV-D-15	9/12/00	R. Cerami, Silverton Marine Corp. Comments on Proposed Boat Manufacturing NESHAP.	9/11/00
IV-D-16	9/12/00	J. Kelbaugh, Sea Fox. Comments on Proposed Boat Manufacturing NESHAP.	9/11/00
IV-D-17		W. Kuhnke and L. Joyner, Hatteras Yachts. Comments on Proposed Boat Manufacturing NESHAP.	9/11/00
IV-D-18		B. Nelson and A. Irish, National Paint & Coatings Association (NPCA). Comments on Proposed Boat Manufacturing NESHAP.	Undated .
IV-D-19	9/12/00	C. Scaccia, Ashland Specialty Chemical Co. Comments on Proposed Boat Manufacturing NESHAP.	Undated .
IV-D-20	9/19/00	G. Smith, Citizens Action Coalition of Indiana and A. Knott, Hoosier Environmental Council. Comments on Proposed Boat Manufacturing NESHAP.	9/12/00
IV-D-21		J. McKnight, NMMA. Comments on Proposed Boat Manufacturing NESHAP.	9/12/00

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<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-D-22	9/12/00	J. Crawford, Outboard Marine Corp. (OMC). Comments on Proposed Boat Manufacturing NESHAP.	9/12/00
IV-D-23		J. Brooks, Chaparral. Comments on Proposed Boat Manufacturing NESHAP.	Undated
IV-D-24	9/25/00	C. Powell, Envision Boats, Inc. Comments on Proposed Boat Manufacturing NESHAP.	9/20/00
IV-D-25	9/12/00	P. Raval, Koogler & Assoc. on behalf of Seabring Marine Industries, Inc. Comments on Proposed Boat Manufacturing NESHAP.	9/12/00
IV-D-26	9/12/00	C. Phillips, State of Florida Department of Environmental Protection. Comments on Proposed Boat Manufacturing NESHAP.	9/12/00
IV-D-27	10/17/00	R.Colby, and B. Higgins, STAPPA/ALAPCO. Comments on Proposed Boat Manufacturing NESHAP.	10/12/00

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IV-E-1		E. Goehl, and B. Palmer, ERG, to M. Morris, EPA:PRG. Memorandum: Record of meeting between EPA and NMMA on November 28, 2000 to discuss Boat Manufacturing NESHAP Proposed Rule and NMMA's comments.	12/1/00

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Category IV-G
Late Public Comments Received

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-G-1		J. McKnight, NMMA, to M. Morris, EPA:ESD. Recommended changes to Boat Manufacturing NESHAP Proposed Rule.	12/5/00
IV-G-2		L. Joyner, Hatteras Yachts, to M. Morris, EPA:ESD. Vinyl Ester Skin Coat Resins.	3/30/01

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Category IV-J
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<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
IV-J-1		J. Rasnic, EPA Office of Compliance, to W. Smith, EPA Region IV. Memorandum: Opinion Regarding the Applicability of 40 CFR 63, Subpart JJ, Wood Furniture Manufacturing Operations NESHAP to Boat Manufacturing.	3/18/98

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Category V-C
Response to Comments Document

<u>Document Number</u>	<u>Date Rcvd in Docket</u>	<u>Commentor, Addressee, Title or Description, etc.</u>	<u>Date of Document</u>
V-C-1		Boat Manufacturing NESHAP Public Comments and Responses. Prepared by EPA/OAQPS.	6/2001