

Martin M. Fontenot, Jr.,
QEP, CHMM
Senior Staff Engineer
Team Leader
Regulatory Affairs
Health, Safety & Ecology

LIST OF INCINERATION ARTICLES

Novartis Crop Protection, Inc.
P.O. Box 11
3905 Highway 75
St. Gabriel, Louisiana 70776
Telephone 504 642 1308
Fax 504 642 1653

1. "Incineration of Solvent-Air Mixtures"
From: Chemical Engineering Progress, Volume 68, No. 8 (8/72)
2. "Technical Guide SW-3: A Guide for Incineration of Chemical Plant Wastes"
By: Manufacturing Chemists Association (1974)
3. "Spray Nozzle Selection"
From: Chemical Engineering Progress (9/74)
4. "How Bayer Incinerates Wastes"
From: Hydrocarbon Processing Magazine (4/79)
5. "Burn, Hazardous Waste, Burn"
From: Chemtech Magazine (11/80)
6. "Design of Hazardous Waste Incinerators"
From: Chemical Engineering Progress Magazine (4/81)
7. "Refractories for Hazardous Waste Incineration: An Overview"
From: 1982 National Waste Processing Conference
8. "Combustion of Halogenated Hazardous Wastes I -
Design and Operation of the Combustion Unit"
From: Meeting of Air Pollution Control Association (APCA) (6/82)
9. "Combustion of Halogenated Hazardous Wastes II -
Design and Economics of Heat and Acid Recovery Units"
From: Meeting of Air Pollution Control Association (APCA) (6/82)
10. "A General Approach for the Development of an Information Management System for
Emissions Sampling"
From: Meeting of Air Pollution Control Association (APCA) (6/82)
11. "Setting Conservative Bounds on Products of Incomplete Combustion Emissions"
From: Meeting of Air Pollution Control Association (APCA) (6/82)
12. "Efficient Particulate Scrubber for Glass Melter Off-Gas"
From: MRS Sixth International Symposium on the Scientific Basis
for Nuclear Waste Management (11/82)

13. "Hazardous Waste Control Technology Data Base-A Profile of Incineration Facilities"
From: The MITRE Corporation (11/82)
14. "Technical and Legal Implications of the Regulatory Definition of Hazardous Waste"
From: Environmental Progress, Volume 1, Number 4 (11/82)
15. "Technical Paper: Optimum Energy and By-Product Recovery
in Chlorinated Hydrocarbon Disposal Systems"
From: ASME National Waste Process Conference (12/82)
16. "Hazardous Waste Management - A Survey of State Legislation 1982"
By: The National Conference of State Legislature's Solid and Hazardous Waste Project
(1982)
17. "Impact of RCRA on Hazardous Waste Incineration System Design"
By: Hydrosience, Inc. (No Date)
18. "EPA Enforcement Guidance on Burning Hazardous Waste as Fuel for Energy Recovery"
From: Environment Reporter (1/18/83)
19. "Reducing Plant Pollution Exposure: Survey of the Incinerator Manufacturing Industry"
From: Chemical Engineering Progress Magazine (3/83)
20. "Incinerators for Chlorinated Hydrocarbon and Brine"
From: Chemische Industries International (3/83)
21. "History of Environmental Testing of the Chemical Waste Incinerator Ships M/T Vulcanus
and I/V Vulcanus II"
By: TRW, Inc. (6/83)
22. "Refractory Practice Survey in Hazardous Waste Incinerators"
From: Air Pollution Control Association (APCA) Meeting (6/83)
23. "Waste Disposal by Cofiring in Industrial Boilers"
By: Acurex Corporation (9/20/83)
24. "Guidance Manual for Hazardous Waste Incinerator Permits"
From: EPA (1983)
25. "Field Tests of Industrial Boilers Cofiring Hazardous Wastes"
From: Hazardous Waste, Volume 1, Number 2 (1984)

26. "Obtaining a Part B Permit for Hazardous Waste Incineration"
From: Journal of the Air Pollution Control Association (JAPCA),
Volume 31, Number 2 (2/84)
27. "Hazardous Waste: A Special Roundup Feature Report on Incineration"
From: Pollution Engineering Magazine (4/84)
28. "The Sarnia Liquid Waste Incineration Experience"
By: Tricil Limited, Inc. (7/84)
29. "Design and Operating Problems of Hazardous Waste Incinerators"
From: American Institute of Chemical Engineering (AIChE) Meeting (8/84)
30. "Rotary Technology for Incinerators and Other Applications"
(No Source) (1984)
31. "Hazardous Liquid Waste Disposal: Incineration-The Ultimate Solution"
(No Source) (No Date)
32. "Thermal Oxidation of Aqueous Wastes Containing
Organic Compounds and Inorganic Salts"
By: Trane Thermal (No Date)
33. "Incineration Ship Goes to Sea, and Passes its Trials"
From: The News Tribune, Tacoma (9/27/84)
34. "Hazardous Waste Incineration: More Attractive Now Than Ever Before"
From: Hazardous Materials and Waste Management Magazine (9, 10/84)
35. "Test Burns - A Critical Step in the Design of Hazardous Waste Incineration Systems"
By: Four Nines, Inc. (No Date)
36. "Combustion Characteristics of Selected Hazardous Waste Materials"
From: HWRC Scientific Advisory Committee (10/84)
37. "EPA Fact File: Environmental Impact Statement
for North Atlantic Incineration Site Designation"
By: At-Sea Incineration, Inc.
38. "The Burning Issue: Incineration of Hazardous Wastes"
(No Source) (1984)

39. "EPA Curbs Burning of Chemicals"
From: Los Angeles Times (12/20/84)
40. "Trip Report - Dow Chemical Waste Incinerator - Plaquemine, Louisiana"
By: Ciba-Geigy Corporation (1/21/85)
41. "Hazardous Waste Incineration: A Progress Report"
From: JAPCA (2/85)
42. "Experience in Continuous Monitoring of a
Large Rotary Kiln Incinerator for CO, CO₂, and O₂"
From: APCA Meeting (6/85)
43. Mini-Burn Tests for Decision Making on Full Scale Incinerators and Boilers"
From: APCA Meeting (6/85)
44. "The Last of Seveso's Toxic Wastes"
From: Chemical Week (7/3/85)
45. "Taking the Wind out of Ocean Incineration's Sails"
From: Chemical Week (8/7/85)
46. "Incineration and Treatment of Hazardous Waste"
From: EPA Eleventh Annual Research Symposium (9/85)
47. "Potential Problems with the Current RCRA Incineration Permit Process"
From: JAPCA (10/85)
48. "Hazardous Waste Steam Generator"
From: American Flame Research Committee, International Symposium
on Alternative Fuels and Hazardous Wastes (10/85)
49. "Emissions Assessment for Refuse-Derived Fuel Combustion"
From: EPA (12/85)
50. "Environmental Protection: Inseparable from our Corporate Culture"
From: Ciba-Geigy Journal, Number 1 (1985)
51. "Incineration"
From: Hazardous Materials and Waste Management Magazine (1, 2/86)
52. "Hazardous Waste Incineration - A Burning CPI Concern"
From: Chemical Engineering Magazine (3/3/86)

53. "Hydro-Sonic Gas Cleaning Equipment"
From: Hydro-Sonic Systems, Inc. (1986)
54. "Utilization of Hydro-Sonic Scrubbers for Abatement of Emissions from Hazardous/Low-Level Radioactive Mixed Wastes"
For: Conference on Incineration of Low-Level Radioactive and Mixed Wastes (4/86)
55. "Multi-Purpose Rotary Kiln Incinerator and Facilities"
By: Martin Fontenot (5/86)
56. "Management of Hazardous Wastes Containing Halogenated Organics"
From: APCA Meeting (6/86)
57. "A Quantitative Risk Assessment Approach for Accidental Releases of Toxic Air Pollutants from Transportation of Hazardous Substances"
From: APCA Meeting (6/86)
58. "Remaining Issues Over Hazardous Waste Thermal Destruction"
From: APCA Meeting (6/86)
59. "Technical Approach and Sampling Techniques used to Detect and Map Subsurface Hydrocarbon Contamination"
From: APCA Meeting (6/86)
60. "Technologies for Remediation of Contaminated Groundwater"
From: APCA Meeting (6/86)
61. "When is DRE not DRE?"
From: APCA Meeting (6/86)
62. "Half of Louisiana Waste Not Produced Here"
From: Morning Advocate (12/21/86)
63. "Rollins Seeks Permits for New Incinerators"
From: Morning Advocate (12/21/86)
64. "Louisiana May Become Waste Disposal Capital"
From: Morning Advocate (12/22/86)
65. "Inadequate Regulations Cited"
From: Morning Advocate (12/22/86)
66. "A New Face in Arkansas Business World"
From: Associated Press (AP) (2/8/87)

67. "Chemolite Center Incinerator"
By: Chemolite Center/3M (No Date)
68. "Greenpeace Joins Louisiana Environmental Activists"
From: Greenpeace (3/9/87)
69. "Common Deficiencies in RCRA Part B Incinerator Applications"
From: JAPCA, Volume 37, Number 3 (3/87)
70. "The Role of Incineration in Waste Management"
By: Martin Fontenot (4/1/87)
71. "Hazardous Waste Disposal by Thermal Oxidation"
By: John Zink Company (1987)
72. "Incineration of Hazardous Waste: A Critical Review"
From: JAPCA, Volume 37, Number 5 (5/87)
73. "Ash Residue Characterization Project"
From: New York State Department of Environmental Conservation (7/87)
74. "A Cheaper Test for Toxics Incineration"
From: Chemical Week Magazine (8/5/87)
75. "Current Developments - Hazardous Waste"
From: Environmental Reporter (9/11/87)
76. "EPA Fact Sheet: Incineration of Hazardous Waste"
From: EPA (1987)
77. "Expert: Burning Beats Burying"
From: USA Today (11/16/87)
78. "Louisiana Generates Most Hazardous Waste in United States"
From: State Times (11/30/87)
79. "A Hot Topic: Hazardous Waste Incineration Sparks Fury"
From: Industry Week Magazine (11/30/87)
80. "Hazardous Waste Incineration: The Cement Kiln Option"
From: New York State Legislative Commission on
Toxic Substances and Hazardous Wastes (12/87)
81. "Field Testing and Computer Modeling of an Oxygen
Combustion System at the EPA Mobile Incinerator"

- by: Linde Union Carbide (1988)
82. "Flue Gas Desulphurization Program"
By: Ontario Hydro (2/88)
 83. "An Evaluation of Fine Particle Wet Scrubbers"
From: *Environmental Progress*, Volume 7, Number 1 (2/88)
 84. "Double Billing"
From: *Inc. Magazine* (3/88)
 85. "Witness Details Incinerator Specs"
From: *Morning Advocate* (3/20/88)
 86. "The National Incinerator Testing and Evaluation Program (NITEP)
Mass Burning Technology Assessment"
(No Source) (6/88)
 87. "Continuous (local and remote) Emissions System
for a Transportable Hazardous Waste Incinerator"
From: APCA Meeting (6/88)
 88. "Effect of Control Equipment and Operating Parameters on
Municipal Solid Waste (MSW) Incinerator Trace Emissions"
From: APCA Meeting (6/88)
 89. "Implications of Air Permitting Requirements on
the Implementation of Waste-to-Energy Facilities"
From: APCA Meeting (6/88)
 90. "Industrial Waste Incineration"
From: *HMC Magazine* (8/88)
 91. "Ranking of Incinerability of Organic Hazardous
Constituents on the Basis of Heat of Combustion"
(No Source) (No Date)
 92. "The Use of Oxygen in Hazardous Waste Incineration: A State of the Art Review"
From: HMCRI National Conference (11/88)
 93. "Guidance on Setting Permit Conditions and Reporting Trial Burn Results"
From: EPA (1/89)

94. "Notice of Intent"
From: DEQ (No Date)
95. "Management and Control of Combustion Excursions from Rotary Kiln Incinerators"
By: American Society of Mechanical Engineers (ASME) (5/1/89)
96. "NO_x Emission Characteristics of Industrial Burners and Control Methods Under Oxygen Enriched Combustion Conditions"
From: International Flame Research Foundation Conference (5/89)
97. "Comparison of Actual versus Predicted HCl Concentrations in a Pilot Liquid Incinerator"
From: AICHE Meeting Air and Waste Management Association (6/89)
98. "Designing an Incinerator to Handle Mixed Waste"
From: AICHE Meeting Air and Waste Management Association (6/89)
99. "Draft Test Report: Pilot-Scale ESP and Scrubber Parametric Tests for Particulates, Metals and HCl Emissions"
For: EPA (6/89)
100. "Long Term Field Demonstration of the Linde Oxygen Combustion System Installed on the EPA Mobile Incinerator"
By: Linde Union Carbide (6/29/89)
101. "Rotary Kiln Incineration III. An In-Depth Study - Kiln Exit/After Burner Stack Train and Kiln Exit Pattern Factor Measurements During Liquid CCl₄ Processing"
From: JAPCA (7/89)
102. "Advances in Oxygen Combustion Technology for the Incineration of Hazardous Waste"
From: Air and Waste Management Association Meeting (6/90)
103. "Combustion Process Control in Rotary Kiln Incinerators"
From: Air and Waste Management Association Meeting (6/90)
104. "The Effects of Proposed Environmental Regulations on Waste-to-Energy Facilities"
From: Air and Waste Management Association Meeting (6/90)
105. "Experience With Air Pollution Control Equipment on Hazardous Waste Incinerators"
From: Air and Waste Management Association Meeting (6/90)
106. "Improved Hazardous Waste Incineration with Oxygen"
From: Air and Waste Management Association Meeting (6/90)

107. "Incinerator Performance Post Trial Burn Importance of Monitors"
From: Air and Waste Management Association Meeting (6/90)
108. "In Situ Removal of Organic Compounds from Groundwater"
From: Air and Waste Management Association Meeting (6/90)
109. "Performance of a Commercial Hazardous Waste Incinerator:
Toxic Metal, Hydrochloric Acid and Fine Particulate Emission Control"
From: Air and Waste Management Association Meeting (6/90)
110. "Hazardous Waste Destruction by High Temperature Incineration"
By: ASME (1991)
111. "Incineration"
From: Air and Waste Management Association Meeting (6/91)
112. "Handbook: Control Technologies for Hazardous Air Pollutants"
By: EPA (6/91)
113. "Guidance to Hazardous Waste Generators on
the Elements of a Waste Minimization Program"
By: EPA (No Date)
114. "Environmental Fact Sheet: Source Reduction and Combustion of Hazardous Waste"
By: EPA (No Date)
115. "Overview of Air Pollution Control Technologies"
For: Coalition for Responsible Waste Incineration (3/92)
116. "1992 Trial Burn Summary, Aptus, Utah"
(No Source) (No Date)
117. "Incineration of Hazardous Waste: A Critical Review Update"
From: Air and Waste, Volume 43 (1/93)
118. "Application of Mass and Energy Balance
Calculations to Verify Incinerator Performance Data"
(No Source) (1993)
119. "Controlling Incinerator Emissions: Waste to Burn"
From: Pollution Engineering Magazine (2/15/93)
120. "Error Analysis of Spiking Methods"
For: Air and Waste Management Association Conference (3/93)

121. "Camden County MWC Carbon Injection Test Results"
For: International Conference on Municipal Waste Combustion (1993)
122. "EPA Administrator Browner Announces New
Hazardous Waste Reduction and Combustion Strategy"
From: EPA (5/18/93)
123. "Administration to Freeze Growth of Hazardous Waste Incinerators"
From: New York Times (5/18/93)
124. "For Crusader Against Waste Incinerator, A Bittersweet Victory"
From: New York Times (5/19/93)
125. "Draft Strategy for Combustion of Hazardous Waste"
From: EPA (5/93)
126. "EPA Fact Sheet: Hazardous Waste Minimization:
Interim Final Guidance for Generators"
From: EPA (5/93)
127. "Development and Execution of a Metals
Pretest Program for a Hazardous Waste Incinerator"
(No Source) (6/14/93)
128. "Application of Mass and Energy Balance
Calculations to Verify Incinerator Performance Data"
From: Air and Waste Management Association Meeting (6/93)
129. "Control of Toxic Air Emissions with a Flameless Thermal Oxidizer"
From: Air and Waste Management Association Meeting (6/93)
130. "Facts or Myths: The Burning Issue of Incineration"
From: Air and Waste Management Association Meeting (6/93)
131. "Hazardous Waste Incineration Air Toxics Emissions and Controls"
From: Air and Waste Management Association Meeting (6/93)
132. "Model to Assess Heavy Metal Emission from Municipal Solid Waste Incinerators"
For: Third International Conference on Toxic Combustion By-Products (6/15/93)
133. "MPI Trial Burn"
(No Source) (8/31/93)

134. "LI Trial Burn"
(No Source) (No Date)
135. "EPA Announces 39 Enforcement Actions for Hazardous Waste Combustion Violations"
From: CRWI Update, Issue 25 (10/10/93)
136. "Technical Workshop on Incinerator Risk Issues"
From: CRWI Update, Issue 26 (10/18/93)
137. "Nationwide Conference to End Incineration"
By: Citizens Clearing House for Hazardous Wastes (CCHW) (10/18/93)
138. "Burning Issue Politics: How Incinerator Operators Deal With Fired-Up Communities"
From: Hazmat World Magazine (10/93)
139. "EPA Round Tables on Waste Minimization and Combustion Draft Strategy"
From: CRWI Update, Issue 27 (12/1/93)
140. "Incinerators Take on Kilns in Hazardous Waste"
From: The Wall Street Journal (12/22/93)
141. "A Comparison of Metal Emissions from Cement Kilns Utilizing Hazardous Waste Fuels With Commercial Hazardous Waste Incinerator"
(No Source) (No Date)
142. "The U.S. Army's Air Emission Inventory Program - Lessons Learned"
By: U.S. Army Environmental Center (1994)
143. "Incineration Research Facility"
From: EPA (1994)
144. "Guidelines for PM-10 Sampling and Analysis Applicable to Receptor Modeling"
By: EPA (3/94)
145. "EPA Cites Cement Manufacturers and Other BIF Owners for Alleged Violations"
From: The Hazardous Waste Consultant (5/18/94)
146. "On the Anniversary of Combustion Strategy, Treatment Council, Releases Petition for Tough Incineration Standards; Warns of Reversal on Environmental Progress"
From: Hazardous Waste Treatment Council (5/94)
147. "High Court: Incinerator Ash Hazardous"
From: The Globe (5/94)

148. "Combustion Emissions Technical Resource Document (CETRED)"
By: EPA (5/94)
149. "Incinerator Risk Assessments: Change is in the Air"
From: Chemical Engineering Magazine (6/94)
150. "Flue Gas Cleaning Systems for the Hazardous Waste Industry"
(No Source) (No Date)
151. "Dioxin Emissions and Congener Distributions
Resulting From Hazardous Waste Incineration"
From: Air and Waste Management Association (June, 1994)
152. "EPA's New Policy on Hazardous Waste Combustion-What Does it Mean to You?"
From: Air and Waste Management Association (June, 1994)
153. "Implications of EPA's Draft Combustion Strategy on Permitting and Retrofit of
Hazardous Waste Incinerators and BIF's"
From: Air and Waste Management Association (June, 1994)
154. "Measured Dioxin Emissions from a Pilot-Scale Rotary Kiln Incinerator"
From: Air and Waste Management Association (June, 1994)
155. "Production and Control of Polychlorinated Dibenzo-p
Dioxins and Dibenzofurans in Incineration Systems: A Review"
From: Air and Waste Management Association (June, 1994)
156. "Spotlight on Incineration"
From: Hazardous Waste Newsletter (No Date)
157. "Trial Burn Executive Summary of Bayou Bonfouca Superfund Site"
(No Source) (1994)
158. "Combustion Strategy"
From: CRWI Update (11/30/94)
159. "Hazardous Waste Incineration Systems"
By: Union Carbide Incineration Services (No Date)
160. "Flue Gas Scrubbing and Particulate Emissions from a Hazardous Waste Incinerator"
(No Source) (No Date)
161. "Focus Area Reports: CMA Environment, Health, Safety and Operations Committee"
By: Chemical Manufacturers Association (4/28/95)

162. "Trial Burn Manual for the Testing of Metals"
By: CRWI Metal Task Force (5/25/95)
163. "Modular Incineration System"
By: Ensco Environmental Services (No Date)
164. "Principles and Practices of Waste Incineration"
(No Source) (No Date)
165. "Incineration Handout Index"
(No Source) (1997)
166. "All Fired Up"
From: Civil Engineering Magazine (November, 1997)

MAGAZINE ARTICLES

1. "New Rules for Hazardous Waste Incinerators"
Environmental Technology, Volume 6, Issue 3 (May/June, 1996)
2. "Determination of the Leaching Dynamics of Metals from Municipal Solid Waste Incinerator Fly Ash Using a Column Test"
Journal of the Air and Waste Management Association (July, 1996)
3. "Are You Missing Title V's Deadline?"
World Wastes (August, 1996)
4. "Characterization of Air Toxics from an Oil-Fired Firetube Boiler"
Journal of the Air and Waste Management Association (August, 1996)
5. "Laser Sharp Technology Measures Metal Emissions"
Chemecology, Volume 25, Number 7 (September, 1996)
6. "Vitrification: The New Gem in Mixed Wastes Storage"
World Wastes (September, 1996)
7. "Europeans Seek Improved Ash Management"
World Wastes (October, 1996)
8. "Possible Sources for Some Trace Elements Found
in Airborne Particles and Precipitation in Dorset, Ontario"
Journal of the Air and Waste Management Association (November, 1996)
9. "Combustion Modifications of Batch Annealing Furnaces and
Ammonia Combustion Ovens for NO_x Abatement in Steel Plants"
Journal of the Air and Waste Management Association (December, 1996)
10. "Modeling of Thermal Treatment of Hazardous Solid Wastes in a DC Arc Melter"
Journal of the Air and Waste Management Association (December, 1996)
11. "The Air Pollution and Municipal Waste Forecast in 1997"
EM Magazine (January, 1997)
12. "Characterization of Waste Tire Incineration
in a Prototype Vortexing Fluidized Bed Combustor"
Journal of the Air and Waste Management Association (January, 1997)

13. "Calculating Flow Rates for Accidental Gas Releases"
Environmental Technology, Volume 7, Issue 1 (January/February, 1997)
14. "Breathe In, Breathe Out"
Chemecology, Volume 26, Number 2 (February, 1997)
15. "Waste Incinerator Analyzer"
EM Magazine (March, 1997)
16. "Flameless Thermal Destruction of VOC's"
Environmental Protection (March, 1997)
17. "In Search of the Best Control for Volatile Organics"
Environmental Technology, Volume 7, Issue 3 (May/June, 1997)
18. "The Quest for a Better Submicron Particle Trap"
Environmental Technology, Volume 17, Issue 3 (May/June, 1997)
19. "Modern Process Means Less Waste"
Chemecology (9/97)
20. "Combustion Technology"
Environmental Protection (September, 1997)
21. "PAH Emissions from the Fluidized-Bed Incineration of an Industrial Sludge"
Journal of the Air and Waste Management Association (September, 1997)
22. "Are Inaccurate Emission Measurements Clouding Pollution Control Planning?"
EM Magazine (September, 1997)
23. "Voluntary Environmentalism"
Environmental Protection (October, 1997)
24. "Characterization of Municipal Solid Waste Incineration Residues from Facilities With Different Air Pollution Control Systems"
Journal of the Air and Waste Management Association (November, 1997)
25. "Destruction of Chlorofluorocarbons in a Cement Kiln"
Journal of the Air and Waste Management Association (November, 1997)
26. "Modeling of Solid Particle Flow and Heat Transfer in Rotary Kiln Calciners"
Journal of the Air and Waste Management Association (November, 1997)

27. "Helping Mother Nature Help Herself"
Environmental Protection (November, 1997)
28. "Serious Controls for Serious Toxins"
Environmental Protection (November, 1997)
29. "The Changing Course of Hazardous Waste Management"
Environmental Technology, Volume 7, Issue 7 (November/December, 1997)
30. "Field Measurements of Flue Gases from Combustion of
Miscellaneous Fuels Using a Low-Resolution FTIR Gas Analyzer"
Journal of the Air and Waste Management Association (December, 1997)
31. "Plastic Plant Uses Emergency Scrubber System to Stop NO_x"
Environmental Technology, Volume 8, Issue 1 (January/February, 1998)
32. "Using Thermal Oxidation Units Can Eliminate VOC
Emissions With Little or No Supplemental Fuel Supply"
Environmental Technology, Volume 8, Issue 1 (January/February, 1998)