

Document Control Page	1. NREL Report No. NREL/TP-430-5518	2. NTIS Accession No. DE93010013	3. Recipient's Accession No.
4. Title and Subtitle Polyvinyl Chloride Plastics in Municipal Solid Waste Combustion			5. Publication Date April 1993
			6.
7. Author(s) Solid Waste Association of North America(SWANA)			8. Performing Organization Rept. No.
9. Performing Organization Name and Address Solid Waste Association of North America(SWANA) 8750 Georgia Ave., Suite E-140 Silver Spring, Maryland 301-585-2898			10. Project/Task/Work Unit No. WM31.1010
			11. Contract (C) or Grant (G) No. (C) (G)
12. Sponsoring Organization Name and Address National Renewable Energy Laboratory 1617 Cole Blvd. Golden, CO 80401-3393			13. Type of Report & Period Covered Subcontract report
			14.
15. Supplementary Notes NREL technical monitor: Philip Shepherd, (303) 231-7000, x7829			
16. Abstract (Limit: 200 words) This report examines the issue of whether the polyvinyl chloride (PVC) plastics content of municipal solid waste (MSW) is a significant contributor to emissions of chlorinated dibenzo-p-dioxins (dioxins) that are associated with MSW combustion. Indications based on a consideration of this issue are developed through a synthesis of available information. While there is convincing experimental evidence that various conditions can cause production of dioxins when PVC is thermally treated, a fundamental issue that remains to be solved is how these findings relate to operating conditions that are characteristic of well designed, maintained and operated MSW combustion facilities, equipped with modern air pollution controls. These findings largely have been derived from laboratory or pilot scale experimentation and from full-scale studies that have been carried out at facilities of varying design and purpose.			
17. Document Analysis a. Descriptors municipal waste; combustion; dioxin; furan;PVC b. Identifiers/Open-Ended Terms c. UC Categories 249			
18. Availability Statement National Technical Information Service U.S. Department of Commerce 5285 Port Royal Road Springfield, VA 22161			19. No. of Pages 24
			20. Price A03