

CONTENTS

	Page
Preface	vii
Industry's Contributions Toward Maintaining a Clean Environment	1
Developments in Reclamation as Applied to chemical Effluents	23
Waste Treatment in the chemical Industry	41
Ion Exchange : A Basic Operation in the Treatment of Industrial Waste Waters	47
Oil Contamination in Closed Systems and Open Waters : Qualitative and Quantitative Determination by Means of the IR Spectrophotometer	65
Reclamation of Waste Waters Carrying Oils in Emulsion	75
Recovery and Utilization of Proteins From Industrial Wastes	81
Biodegradable Detergents	93
Reclamation of Waste Water Containing Radioactive Admixtures	97
Encapsulation of High-Level Nuclear Wastes	107
Keeping the Air clean	137
Treatment of Waste Air and Gases in the Process Industries	147
Catalytic Afterburning of Industrial Waste Gases : principles and Applications	157
Bayer Double –Contact Process for Converting Sulfur Dioxide into Sulfur Trioxide	169
Chemical Engineering Methods for Removing Inorganic Emissions	177
Removal of Industrial Wastes by Incineration	187
Reworking, Purification, and Concentration of Metal Salt Solutions by Ion-Exchange and Extraction Methods in the Rate Metal Industries	201
Progress Report 1964-66	211
Bibliography	221
Glossary	225
Appendix	233
Index	237