

Professional Qualifications

CONESTOGA-ROVERS & ASSOCIATES

March 1, 1988

Reference No. 1354-10

Mr. Mike J. McQuaid
Weir & Foulds
Barristers & Solicitors
2 First Canadian Place
P.O. Box 480
Toronto, Ontario
M5X 1J5

Dear Mr. McQuaid:

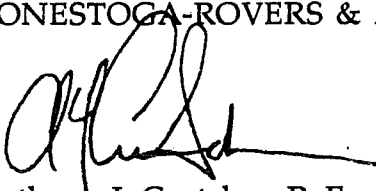
Re: Professional Qualifications

This document provides the professional qualifications of Conestoga-Rovers & Associates Limited.

Should you have any questions, please do not hesitate to contact our office.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES



Anthony J. Crutcher, P. Eng.

JP/JO

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1.0 COMPANY PROFILE

Conestoga-Rovers & Associates (CRA) is an environmental engineering firm with its head office located in Waterloo, Ontario and branch offices in Niagara Falls, New York and St. Paul, Minnesota. The company was formed in 1976 through the amalgamation of two individual firms, Conestoga Engineering Limited and Frank A. Rovers & Associates Limited. Both firms were actively involved in environmental assessments prior to amalgamation and became extensively involved with the hazardous waste problems that were developing in the late 1970s in the Niagara Falls, New York area.

CRA employs approximately 170 professional and support staff. The professional staff include civil, chemical, mechanical and biological engineers, hydrologists, hydrogeologists, geologists, chemists, biologists and planners. In addition to the full-time staff, CRA also retains a number of specialists associated with the firm who have expertise in such areas as systems modeling, statistical methods, soil chemistry and toxicology.

CRA's extensive expertise in environmental engineering, in both Canada and the United States, has equipped CRA to carry out environmental projects to the state-of-the-art, from the initial investigation, through remedial design and construction, to long-term management and monitoring.

1.1 CORPORATE ORGANIZATION

CRA provides environmental services to Canadian and U.S. clients, and is divided into four main divisions:

- 1) Environmental Services, including preliminary site evaluation, environmental impact assessment and conceptual design and monitoring;
- 2) Construction Services, including detailed design, preparation of plans, specifications and bidding documents, bid call and evaluation, cost estimating, and construction management and administration of field implementation.
- 3) Technical Support Services, which provides a number of important services, both for project support and as independent services to clients. This group includes the hydrogeology group, which is widely knowledgeable in both contaminant and water supply hydrogeology. In addition, Technical Support includes CRA's Analytical Services group, which includes environmental chemists who supervise and manage CRA's analytical subcontractors, and who design and implement monitoring/analytical programs and their associated quality assurance/quality control programs. Also within this division are specialists in

health and safety, groundwater contaminant modeling, planning, and computer services.

- 4) Municipal Services, which provides support to the environmental engineering functions of the company in this special expertise; and also consults as a separate division providing site services, water treatment and distribution and stormwater management engineering.

1.2 CORPORATE EXPERTISE

Conestoga-Rovers & Associates enjoys an international reputation regarding the assessment, management and resolution of environmental problems. The Company has extensive expertise in the engineering of domestic and hazardous waste disposal on land systems including detailed hydrogeologic investigations, location of disposal sites, landfill design, pretreatment of waste streams prior to disposal, professional management of operating landfills, design of systems to control gas and contaminant migration; remedial investigation and feasibility studies, including risk assessment; design, implementation, inspection and project management of remedial construction or facility closure; leachate collection and treatment including deep well disposal; site monitoring and environmental sampling; decommissioning and/or decontamination of industrial

facilities; and negotiation of Consent/Administrative Orders.

The Company is intimately familiar with proposed and promulgated waste management and environmental regulations throughout North America.

2.0 COMPANY EXPERIENCE

A partial list of projects and clientele selected as being representative of the Professional Services completed and ongoing which would reflect expertise regarding hydrogeologic studies, chemical migration therein and remedial work designs, construction management and implementation, where appropriate, is presented in Tables 1 and 2.

Table 1 describes the project while Table 2 provides further details on work performed on each project.

The projects listed for reference in Tables 1 and 2 show that Conestoga-Rovers & Associates can expertly assess, advise and represent on most facets of waste management for domestic and hazardous waste including: hydrogeology, site design, construction and project management, remedial efforts, monitoring and analysis, data evaluation, environmental hearings, litigation, negotiations with regulatory bodies, computer modeling of groundwater and mass transport, and personnel hazardous waste safety programs.

3.0 REFERENCES

The following references are provided
regarding hydrogeological and engineering experience:

Mr. Seth Duffus
Manager, Real Estate, Plant
and Environmental Engineering
Department
Westinghouse Canada Inc.
P.O. Box 510
Hamilton, Ontario L8N 3K2
Telephone: 416-528-8811

Mr. Jay Cull
Occidental Chemical Corporation
360 Rainbow Boulevard South
P.O. Box 728
Niagara Falls, New York 14302
Telephone: 716-286-3000

Mr. Romer Wilsek
Director Environmental Affairs
Dart & Kraft, Inc.
2211 Sanders Road
Northbrook, Illinois 60062
Telephone: 312-498-8231

Mr. John D. Pawley
Director of Engineering Operations
Regional Municipality of Waterloo
Marsland Centre
20 Erb Street West
Waterloo, Ontario N2G 4G7
Telephone: 519-885-9400

Mr. James M. Jaska
Environmental Manager
Honeywell, Inc.
6540 Smetana Drive
Minnetonka, Minnesota 55343
Telephone: 612-931-7548

Ms. Judy Y. Longfield,
Senior Environmental Engineer
FMC Corporation
2000 Market Street
Philadelphia, Pennsylvania 19103
Telephone: 215-299-6437

The following references are provided
regarding expert representation in negotiation/litigation
forums:

Mr. Burton Kellock, Q.C.
Blake, Cassels and Graydon
Commerce Court West
Floor 26
Toronto, Ontario M5L 1A9
Telephone: 416-863-2400

Martin B. Wasser, Esq.
Phillips, Nizer, Benjamin,
Krim & Ballon
40 West 57th Street
New York, N.Y. 10019
Telephone: 212-977-9700

Mr. Douglas E. Kliever
Cleary, Gottlieb, Steen & Hamilton
1752 N Street, N.W.
Washington, D.C. 20036
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John Hanna, Jr., Esq.
Whiteman Osterman & Hanna
99 Washington Avenue
Albany, New York 12210
Telephone: 518-449-7600

Mr. Tom Terp
Taft, Stettinius & Hollister
First National Bank Center
Fountain Square
Cincinnati, Ohio 45202
Telephone: 513-381-2838

Ms. Judy Wilson
Regional Municipality of Ottawa-Carleton
272 Queen Street
Ottawa, Ontario K1P 5Z3
Telephone: 613-560-1365

Mr. Charles Tisdale, Jr.
King & Spalding
2500 Trust Company Tower
Atlanta, Georgia 30303
Telephone: 404-572-4600

Further references can be supplied
upon request.

TABLE 1

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
1. Field Investigation and Reporting, Conceptual and Final Design, Specification Writing, Contract Document Preparation, and Field Supervision of Remedial Action (Chemical Waste Landfill)	Love Canal Southern Sector, Niagara Falls, N.Y.	City of Niagara Falls, N.Y.	1978	1979	\$8.5 million
2. Conceptual and Final Design, Specification Writing, Contract Document Preparation, and Field Supervision of Remedial Action (Chemical Waste Landfill)	Love Canal, Central and Northern Sectors Niagara Falls, N.Y.	New York State Department of Environmental Conservation Albany, N.Y.	1979	1980	\$3.3 million
3. Contract Document Preparation, Design, Approval, and Construction Supervision (Leachate Treatment)	Love Canal Activated Carbon Treatment Plant Niagara Falls, N.Y.	New York State Department of Environmental Conservation Albany, N.Y.	1980	1980	\$1.1 million
4. Conceptual and Final Design, Specification Writing, Contract Document Preparation, and Field Supervision of Remedial Action (Chemical Waste Landfill)	Final Cover Love Canal Niagara Falls, N.Y.	New York State Department of Environmental Conservation Albany, N.Y.	1981	1981	\$360,000

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
5. Field Investigation and Reporting, Conceptual and Final Design, Specification Writing, Contract Document Preparation and Field Supervision of Remedial Action (Chemical Waste Landfill)	Hyde Park Niagara Falls, N.Y.	Occidental Chemical Corporation (Hooker Chemicals & Plastics Corp.) Niagara Falls, N.Y.	1978	1979	Confidential
6. Field Investigation and Reporting, Conceptual and Final Design, Specification Writing, Contract Document Preparation, and Field Supervision of Remedial Action (Chemical Waste Landfill)	LaBounty Landfill Charles City, Iowa	Salsbury Laboratory Inc., Charles City, Iowa	1980	1982	Confidential
7. Field Investigation and Reporting, Conceptual and Final Design, Specification Writing, Contract Document Preparation, and Field Supervision of Remedial Action (Chemical Waste Landfill)	Hardeman County Tennessee	Velsicol Chemical Corporation, Chicago, Illinois	1980	1980	Confidential
8. Design and Project Management of Remedial cleanup (Derailment of Chemical Tank Train)	Mississauga, Ontario	City of Mississauga and Regional Municipality of Peel Ontario, Canada	1980	1980	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
9. Field Investigation and Reporting and Design of Remedial Works for Consent Judgment. This included direct involvement in negotiations of the Consent Judgment with State and Federal Agencies	St. Louis, Michigan	Velsicol Chemical Corporation Chicago, Illinois	1980	1983	Confidential
10. Field Investigation and Reporting, Conceptual and Final Design, Specification Writing, Contract Document Preparation, and Field Supervision of Remedial Action (Landfill)	St. Louis, Michigan	Velsicol Chemical Corporation, Chicago, Illinois	1982	1982	Confidential
11. Conceptual and Final Design, Specification Writing, Contract Document Preparation, and Field Supervision of Remedial Action (Chemical Plant Closure)	St. Louis, Michigan	Velsicol Chemical Corporation Chicago, Illinois	1980	1984	Confidential
12. Field Investigation and Reporting, Conceptual Design, (Landfill)	Wood Ridge, New Jersey	Velsicol Chemical Corporation, Chicago, Illinois	1980	1981	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
13. Field Studies and Design of Remedial Works for Consent Judgment (3 Landfills)	Hyde Park, 102nd Street, S-Area Niagara Falls, N.Y.	Occidental Chemical Corporation (Hooker Chemicals & Plastics Corp.) Niagara Falls, N.Y.	1978	Ongoing	Confidential
14. Field Studies and Design of Remedial Works for Consent Judgment (Landfill)	Gratiot County Michigan	Velsicol Chemical Corporation, Chicago, Illinois	1981	1984	Confidential
15. Field Studies and Design of Remedial Works for Major Chemical Plant (SPDES Permit Renewal, Hydrogeologic Investigation, Sewer Outfall Studies Negotiated, Chemical Containment Program, Dioxin Surveys)	Niagara Falls, N.Y.	Occidental Chemical Corporation (Hooker Chemicals & Plastics Corp.) Niagara Falls, N.Y.	1979	Ongoing	Confidential
16. Field Investigation and Reporting, Design of Site Remedial Action and Plans of Operation and Management with Field Supervision of same (3 Active Landfills)	Toronto, Ontario	Waste Management of Canada, Inc. Toronto, Ontario Canada	1972	Ongoing	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
17. Field Investigation, Reporting and Design of Site Remedial Action and Plans of Operation and Management to Remove On-Site Drummed and Tanked Waste with Field Supervision of same (Abandoned Waste Storage and Treatment Facility) Sub-consultant to CDM	PAS Site Oswego, N.Y.	EPA/New York State Department of Environmental Conservation	1981	1982	\$2 million
18. Field Investigation, Reporting and Design of Site Remedial Action for Land Disposed Waste (Landfill and Chemical Plant Facility), Hydraulic Containment System for Entire Plant Site	Montague, Michigan	Occidental Chemical Corporation (Hooker Chemicals & Plastics Corp.) Niagara Falls, N.Y.	1978	Ongoing	Confidential
19. Field Investigation, Reporting, Design and Supervision of Site Remedial Action (PCB Contamination at Plant Facility)	London, Ontario	Westinghouse Canada Inc. Hamilton, Ontario	1981	Ongoing	Confidential
20. Field Investigation, Reporting and Design of Site Remedial Action and Plans of Operation and Management to Remove On-site Drummed and Tanked Waste with Field Supervision of same (Abandoned Waste Storage, Transfer and Treatment Facility) Sub-consultant to CDM	SCR&D Site Bluff Road Columbia S.C.	EPA/State of South Carolina Department of Health and Environmental Control	1982	1983	\$800,000

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
21. Design, Implementation and Supervision of Health and Safety and Air Monitoring Program, and Quality Assurance/Quality Control Program during Construction of Cap and Containment Wall at Former Hazardous Waste Disposal Area	Gilson Road Nashua, New Hampshire	New Hampshire Water Supply and Pollution Control Commission	1982	1982	\$2.8 million
22. Field Investigation, Reporting and Design of Site Remedial Action and Plans of Operation and Management to Remove On-site Drummed and Tanked Waste, and Contaminated Soil (Abandoned Waste Storage and Treatment Facility) Sub-consultant to CDM	Keefe Environmental Services Site Epping, N.H.	EPA/State of New Hampshire Water Supply and Pollution Control Commission	1982	1983	\$1.1 million
23. Negotiation of a Consent Order with State and Federal Agencies for Remedial Works. Consent Order was negotiated and signed within a one month period.	Fridley, Minnesota	FMC Corporation Philadelphia, PA.	1983	1983	Confidential

TABLE 1 (Cont'd)

<u>SELECTED PROJECT REFERENCE</u>					
<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
24. Field Investigations, Reporting, Conceptual and Final Design, and Field Supervision of Remedial Action, Preparation of RCRA Part B Applications, Preparation of Groundwater Protection Plan, and Post-Closure Monitoring (Drummed, Liquid and Industrial Waste Landfill)	Fridley, Minnesota	FMC Corporation Philadelphia, PA.	1982	Ongoing	Confidential
25. Specification Writing, Contract Document Preparation, and Bid Negotiation for Site Remedial Action (Organic Sludge Lagoons - 20 million gallons)	Marshall, Illinois	Velsicol Chemical Corporation Chicago, Illinois	1982	1983	Confidential
26. Field Investigation, Reporting and Design of Site Remedial Action including Field Supervision of Same (Oil Spill)	St. Louis, Michigan	Velsicol Chemical Corporation Chicago, Illinois	1982	1983	Confidential
27. Hydrogeologic Investigation and Environmental Impact Evaluation	Corunna, Ontario	Tricil Waste Limited	1979	1979	Confidential
28. Field Investigation, Reporting, Design of Site Remedial Action, Preparation of Plan of Work, and Field Supervision (Chlorinated & Nonchlorinated Solvent Landfill)	Poughkeepsie, N.Y.	IBM Corporation Poughkeepsie, N.Y.	1983	1983	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
29. Hydrogeologic Investigations, Field Studies and Design of Remedial Work (Plant Site and Four Off-Site Disposal Areas)	Tacoma, Washington	Occidental Chemical Corporation (Hooker Chemicals & Plastics Corp.) Niagara Falls, N.Y.	1983	Ongoing	Confidential
30. Hydrogeologic Investigation, Reporting, Design and Evaluation of Remedial Action Alternatives, Preparation of Final Closure Plan, and Negotiation of Consent Order (Abandoned Drummed Waste Storage and Handling Facility), Preparation of Closure Plan and Supervision of Remedial Action	Chem-Dyne Hamilton, Ohio	Generator Technical Committee	1982	1987	Confidential
31. Hydrogeologic Investigation, Reporting, Final Design, Closure Plan, Specification Writing, Contract Document Preparation Remedial Construction Supervision (Settling Ponds Contaminated with PCB)	Kittanning, Pennsylvania	Union Carbide Corporation Cleveland, Ohio	1983	1984	Confidential
32. Environmental Audit, Field Studies, SPDES permit Application, Hydrogeologic Investigation, Evaluation of Remedial Action Alternatives	Schenectady, N.Y.	Schenectady Chemicals Inc.	1983	Ongoing	Confidential
33. Hydrogeologic Investigation, Reporting and Design and Evaluation of Remedial Action Alternatives, RCRA Part B Permit Application	Rotterdam Junction, Inc., N.Y.	Schenectady Chemicals Inc.	1983	Ongoing	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
34. Hydrogeologic Investigations, Data Analysis, Field Studies, Design and Implementation of Appropriate Remedial Works for Major Manufacturing Facility Including Plant Buildings and On-Site Disposal Areas.	Minneapolis, Minnesota	Honeywell, Inc.	1983	Ongoing	Confidential
35. Hydrogeologic Field Investigation, Environmental Assessment, Landfill Design, Performance Monitoring, Management and Monitoring Performance. (175 acre landfill site)	City of Waterloo Ontario	Regional Municipality Waterloo	1983	Ongoing	Confidential
36. Hydrogeologic Review, Alternative Landfill Design, Leachate Control, Negotiations With Regulatory Authority, Environmental Impact Assessment, (100 acre landfill site)	City of Sarnia Ontario	City of Sarnia	1983	Ongoing	\$950,000
37. Field Investigation, Reporting, Design of Remedial Work Plan, Supervision of Remedial Construction (Solvent and Chemical Spill)	Poughkeepsie, N.Y.	IBM Corporation Poughkeepsie, N.Y.	1984	1985	Confidential
38. Preparation of Closure Plan, Development and Implentation of Health and Safety Protocols, Provision of Remedial Construction Quality Control	Hempstead, N.Y.	Nassau County Dept. of Public Works	1984	1984	\$70,000

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
39. Hydrogeologic Investigation, Reporting, Design and Installation of Aqueous and Non-Aqueous Phase Plume Recovery Wells (Chemical Plant)	Taft, Louisiana	Occidental Chemical Corporation	1983	Ongoing	Confidential
40. Evaluation of Hydrogeologic Study and Environmental Impact Study, and Independent Review of Analytical Data Base (Pentachlorophenol Spill)	Penticton, British Columbia	Greenwood Forest Products, Penticton British Columbia	1984	1984	Confidential
41. Remedial Investigation and Feasibility Study at Former Industrial Waste Disposal Facility Under Joint Federal and State Consent Order	WDE Site Andover, Minnesota	Generator Technical Committee	1984	Ongoing	Confidential
42. Remedial Investigation and Feasibility Study, Design and Implementation of Remedial Measures at Chemical Plant, RCRA Interim Status Impoundments, Off-Site Surveys	Middleport, New York	FMC Corporation Middleport, New York	1985	Ongoing	Confidential
43. Technical Review of Previous Hydrogeologic Data, Field Study to Augment Existing Hydrogeologic Study, Technical Guidance for Preparation of Consent Order, and Design and Implementation of Interim Response Action with Groundwater Recovery and Treatment System. (Pentachlorophenol and Creosote	Bangore, Wisconsin	Webster Lumber Bangore, Wisconsin	1984	Ongoing	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
44. Remedial Investigation and Feasibility Study and Remedial Design and Implementation (Creosote and Fuel Oil Spills)	New Brighton Minnesota	Bell Pole, New Brighton Minnesota	1984	Ongoing	Confidential
45. Evaluation of Remedial Construction Alternatives, Preparation of Work Plan and Detailed Design of Remedial Construction, and Supervise Remedial Construction	North Hollywood Dump, Memphis, Tennessee	Group of Potential Responsible Parties	1984	1985	Confidential
46. Remedial Investigation and Feasibility Study (Solidified Waste Lagoon)	Marshall, Illinois	Velsicol Chemical Corporation, Chicago, Illinois	1985	Ongoing	Confidential
47. Remedial Investigation and Feasibility Study, Interim Response Actions (Former Industrial Waste Landfill)	Wacaunda Sand and Gravel, Chicago, Illinois	Generator Technical Committee	1984	Ongoing	Confidential
48. Hydrogeologic Investigation, Remedial Investigation, Design, Implementation and Field Supervision of Remedial Construction (PCB Contamination in Creek Sediments)	London, Ontario	Westinghouse Canada Inc. Hamilton, Ontario and Ministry of the Environment,	1983	Ongoing	\$2 million

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
49. Reporting, Conceptual and Final Design, Specification Writing, Contract Document Preparation and Field Supervision of Remedial Action (Chemical Waste Landfill)	LaBounty Landfill Charles City, Iowa	Salsbury Laboratory Inc., Charles City, Iowa	1984	Ongoing	Confidential
50. Hydrogeologic Investigation, and Environmental Impact Evaluation of Former Plant Site	Heath, Ohio	DOW Chemical U.S.A.	1985	Ongoing	Confidential
51. As Special Master to US Federal Court, Manage, Design and Administer Cleanup and Disposal of Drummed and Tanked Hazardous Wastes, Recovery of Commercial Products and Demolition of Facility (Oil Refinery)	East Chicago Illinois	U.S. Federal Court Re: Energy Cooperative Inc.	1985	1988	Confidential
52. Sampling and Analysis of Drummed Wastes, Provision of Health and Safety, Preparation of Work Plans	Krysowaty Farm Site Hillsborough Twp. New Jersey	Sevenson Containment Corporation Niagara Falls, New York	1985	1986	\$2.3 million
53. Sampling and Analysis of Drummed and Tanked Waste, Provision of Health and Safety, Preparation of Work Plans	PAS Site Oswego, New York	Sevenson Containment Corporation Niagara Falls, New York	1985	1985	\$3.8 million
54. Hydrogeologic Review of Proposed Landfill Sites	Burlington, Ontario	Corporation of the City of Burlington	1985	Ongoing	?
55. Design and Construction of Control System	Bayview Landfill Burlington, Ontario	Corporation of the City of Burlington	1985	Ongoing	?

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
56. Hydrogeologic Investigation, Remedial Investigation, Remedial Design, Provision of Health and Safety, Sewer Studies, Contract Document Preparation	Niagara Falls, New York	Reichhold Chemicals	1983	Ongoing	Confidential
57. Hydrogeologic Investigation, Remedial Investigation, Remedial Design, Design and Implement Health and Safety Program, Contract Document Preparation and Supervision	Albany, New York	Mercury Refining Company	1982	1986	Confidential
58. Technical Review of Previous Hydrogeologic Data. Cost Apportionment Negotiations with the Potential Responsible Parties and State Agencies	Brookfield Avenue Landfill Pennsylvania Avenue Landfill Fountain Avenue Landfill Edgemere Landfill Pelham Bay Landfill New York, New York	Group of Potential Responsible Parties	1985	Ongoing	Confidential
59. Remedial Investigation Feasibility Study, Interim Response Action Regulatory Negotiations Regarding Former Coal Gasification Plant Site	Minneapolis, Minnesota	Hart, Bruner, O'Brien & Thornton	1985	Ongoing	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
60. Remedial Investigation Feasibility Study, Interim Response Action Regulatory Negotiations Regarding Former Coal Gasification Plant Site	Ottawa, Ontario	Regional Municipality of Ottawa-Carleton	1986	Ongoing	Confidential
61. Feasibility Study, Supplemental Remedial Investigation, Design and Implement Remedial Works	Minneapolis, Minnesota	Honeywell Inc.	1984	Ongoing	Confidential
62. Investigation, Analysis and Design of Remedial Action for Decontamination of Five PCB Contaminated Manufacturing Facilities	Kentucky, Tennessee and Indiana	Dart & Kraft Inc.	1984	Ongoing	Confidential
63. Modification of SPDES Permit including Design of Remedial Site Construction	Middleport, New York	FMC Corporation	1985	Ongoing	Confidential
64. Hydrogeologic Investigation, Remedial Investigation, Design, Implementation and Field Supervision of Remedial Construction	Waynesboro, Tennessee	Dart & Kraft Inc. Chicago, Illinois	1984	Ongoing	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
65. Design of Remedial Construction, Preparation of Contract and Bid Documents, Bid Call, Construction Management and Contract Administration, Procurement	Chem-Dyne Site Hamilton, Ohio	Chem-Dyne Site Trust Fund	1985	1987	Confidential
66. Investigation, Design and Supervision of Closure for RCRA Storage Facilities	Poughkeepsie, N.Y.	IBM Corporation	1985	1986	Confidential
67. Investigation, Design and Supervision of Construction of Gas Exclusion and Treatment System Beneath Office Building	Minneapolis, Minnesota	FMC Corporation	1985	1986	Confidential
68. Quality Control/Quality Assurance Field Services and Certification of Closure for 7 Surface Impoundments	Culvert City, Kentucky	B.F. Goodrich Co.	1986	1987	Confidential
69. Remedial Investigation, Feasibility Study, Design of Remedial Works, Preparation of Bid Documents, Bid Award, Construction Management Negotiation of Federal/State Order for PCB/Dioxin Contaminated Manufacturing Facility and Grounds	Crawfordsville, Indiana	Dart & Kraft, Inc.	1986	Ongoing	Confidential

TABLE 1 (Cont'd)

SELECTED PROJECT REFERENCE

<u>Work Description</u>	<u>Location of Work</u>	<u>Owner or Client</u>	<u>Work Commencement Date</u>	<u>Work Completion Date</u>	<u>Estimated Cost</u>
70. Negotiation of State Order, Design of Remedial Works, Preparation of Bid Documents, Bid Award, Construction Management for Aquifer Remediation and Long-Term Monitoring	Fridley, Minnesota	FMC Corporation	1985	1987	Confidential
71. Provide expert advice to regulators overseeing former coal gasification plant cleanup	Waterloo, Ontario	Region of Waterloo	1986	Ongoing	Confidential
72. Remedial Investigation Feasibility Study of wood treatment plant and surrounding area	Brownsville, Alabama	James Brown Foundation	1986	Ongoing	Confidential

TABLE 2

PROJECT WORK ACTIVITIES

Work Activities

<u>Project Name As Listed on Table 1</u>	<u>Environmental Sampling</u>	<u>Hydrogeologic Studies, Reporting & Interpretation</u>	<u>Remedial Action Alternative Analysis</u>	<u>Data Management & Assessment</u>	<u>Remedial Work Design</u>	<u>Remedial Work Supervision Including Safety Program Management</u>	<u>Documentation For Permitting Approvals</u>
1	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X
3	X		X	X	X	X	X
4	X		X	X	X	X	X
5	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X
7	X	X	X	X	X	X	X
8	X			X	X	X	X
9	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X
11	X	X	X	X	X	X	X
12			X	X			
13	X	X	X	X	X		X
14	X	X	X	X			
15	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X
17	X		X	X	X	X	X

TABLE 2

PROJECT WORK ACTIVITIES

Project Name As Listed on Table 1	Work Activities						
	<u>Environmental Sampling</u>	<u>Hydrogeologic Studies, Reporting & Interpretation</u>	<u>Remedial Action Alternative Analysis</u>	<u>Data Management & Assessment</u>	<u>Remedial Work Design</u>	<u>Remedial Work Supervision Including Safety Program Management</u>	<u>Documentation For Permitting Approvals</u>
18	X	X	X	X	X		
19	X	X	X	X	X	X	X
20			X	X	X	X	
21	X			X	X	X	
22	X		X	X	X	X	
23	X	X	X	X			X
24	X	X	X		X		X
25			X	X			
26	X	X	X	X	X	X	X
27	X	X					
28	X		X	X	X	X	X
29	X	X	X	X	X		X
30	X	X	X	X	X	X	X
31	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X
33	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X
35	X	X		X			
36	X	X	X	X	X	X	X

TABLE 2
PROJECT WORK ACTIVITIES

Project Name As Listed on Table 1	Work Activities						
	<u>Environmental Sampling</u>	<u>Hydrogeologic Studies, Reporting & Interpretation</u>	<u>Remedial Action Alternative Analysis</u>	<u>Data Management & Assessment</u>	<u>Remedial Work Design</u>	<u>Remedial Work Supervision Including Safety Program Management</u>	<u>Documentation For Permitting Approvals</u>
37	X	X	X	X	X	X	X
38	X				X		X
39	X	X	X	X	X	X	X
40		X		X			
41	X	X	X	X			X
42	X	X	X	X			X
43	X	X	X	X			X
44	X	X	X	X			X
45	X	X	X	X	X	X	X
46	X	X	X	X			X
47	X	X	X	X	X	X	X
48	X		X	X	X	X	X
49	X	X	X	X	X	X	X
50	X	X					
51	X	X	X	X			
52	X	X	X	X	X	X	X
53	X		X	X	X	X	X
54	X	X	X	X	X		
55	X	X	X	X	X	X	

TABLE 2

PROJECT WORK ACTIVITIES

Project Name As Listed on Table 1	Work Activities						
	<u>Environmental Sampling</u>	<u>Hydrogeologic Studies, Reporting & Interpretation</u>	<u>Remedial Action Alternative Analysis</u>	<u>Data Management & Assessment</u>	<u>Remedial Work Design</u>	<u>Remedial Work Supervision Including Safety Program Management</u>	<u>Documentation For Permitting Approvals</u>
56				X			
57	X	X	X	X	X	X	
58	X	X	X	X	X	X	
59	X	X	X	X	X	X	
60	X	X	X	X	X	X	X
61	X	X	X	X	X	X	
62	X		X	X	X	X	X
63			X	X	X	X	X
64	X	X	X	X	X	X	X
65			X	X	X	X	
66	X		X	X	X	X	X
67	X		X	X	X	X	
68			X	X		X	X
69	X	X	X	X	X	X	X
70	X	X	X	X	X	X	X
71	X	X	X	X			
72	X	X	X	X	X	X	
73	X	X	X	X	X	X	X

TABLE 2

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Project Name As Listed on Table 1	Work Activities						
	<u>Environmental Sampling</u>	<u>Hydrogeologic Studies, Reporting & Interpretation</u>	<u>Remedial Action Alternative Analysis</u>	<u>Data Management & Assessment</u>	<u>Remedial Work Design</u>	<u>Remedial Work Supervision Including Safety Program Management</u>	<u>Documentation For Permitting Approvals</u>
74	X	X	X	X	X	X	X
75	X	X	X	X	X	X	X
76	X	X	X	X	X	X	X
77	X	X	X	X	X	X	
78	X		X	X	X	X	X
79	X	X	X	X	X	X	X

