

S C H E D U L E "A"

L I S T O F T E A P M E M B E R S

Schedule "A" TEAP Agreement

Aqualon Canada Inc.
2 Robert Speck Parkway
Mississauga, Ontario
L4Z 1H8
TEAP MEMBER: Hercules Canada Inc.

(905) 848-1800 (weekdays 8:30 a.m. to
5:00 p.m.)
A. Mansing
(905) 848-8888 (after hours)

Ashland Chemical
2620 Royal Windsor Drive
Mississauga, Ontario
L5J 4E7

(905) 823-1800 (workdays 8:30 a.m. to
5:00 p.m.)
1-800-ASHLAND (after working hours)

January 14, 1994

Schedule "A" TEAP Agreement

BASF Canada Inc. 1-800-832-4357 (24 hours)
345 Carlingview Dr. (416) 675-3611 (office hours)
Rexdale, Ontario
M9W 6N9

PLANT LOCATION:
10 Craig St.
Brantford, Ontario (519) 759-7000 (office hours)
N3T 5M3 John Rusheleau

H.L. Blachford, Ltd./Ltée (416) 591-6315 (24 hours)
2323 Royal Windsor Drive
Mississauga, Ontario
L5J 1K5

PLANT LOCATIONS:
2323 Royal Windsor Drive (416) 591-6315 (24 hours)
Mississauga, Ontario
L5J 1K5

977 rue Lucien L'Allier (416) 591-6315 (24 hours)
Montreal, Quebec
H3G 2C3

Brunswick Mining & Smelting Corp. Ltd. (506) 522-2100
Smelting and Fertilizer Division (514) 373-9144 (24 hours EMERGENCY)
Box 42
Belledune, New Brunswick
EOB 1G0
TEAP MEMBER: Canadian Electrolytic Zinc

January 14, 1994

Schedule "A" TEAP Agreement

Canada Colors and Chemicals Limited 80 Scarsdale Road Don Mills, Ontario M3B 2R7 TEAP MEMBER: Sulco Chemicals Ltd.	(416) 444-2112 (416) 449-7750 (office hours)
Canada Colors and Chemicals (Eastern) Limited 9999 TransCanada Highway Saint Laurent, Quebec H4S 1V1 TEAP MEMBER: Sulco Chemicals Ltd.	(416) 444-2112 (514) 333-7820 (office hours)
Canada Imperial Oil Limited 111 St. Clair Avenue W. Toronto, Ontario M5W 1K3 TEAP MEMBER: Imperial Oil, Chemicals Division	(416) 968-4767 (office contact) (204) 957-0118 (EMERGENCY) (RRC) (519) 339-2145 (Alternate EMERGENCY) (RRC) (Sarnia)
Canadian Electrolytic Zinc Limited 860 Cadieux Blvd. Valleyfield, Québec J6S 4W2	(514) 373-9144 (24 hours EMERGENCY) Guy Desgagnés
Canso Chemicals Limited P.O. Box 484 New Glasgow, Nova Scotia B2H 5E5 TEAP MEMBER: ICI Canada Inc.	(902) 755-1785 (office)
Celanese Canada Inc. P.O. Box 99 Edmonton, Alberta T5J 2H7	(403) 477-8339 (RRC)
Chinook Chemicals Company 10th Concession SOMBRA, Ontario NOP 2H0	(519) 892-3411
Ciba-Geigy Canada Limited 6860 Century Avenue Mississauga, Ontario L5N 2W5	1-800-267-6351 (VRC)
Ciba-Geigy Dyes Limited 1600 - 50th Avenue Lachine, Québec H8T 2V5 TEAP MEMBER: Ciba-Geigy Canada Ltd.	(919) 632-2381
Ciba Vision 2150 Torquay Mews Mississauga, Ontario L5N 2M6 TEAP MEMBER: Ciba-Geigy Canada Ltd.	(905) 821-4774 (office hours) 1-800-267-6351 (after hours) (VRC)

January 14, 1994

Schedule "A" TEAP Agreement

Comcor Chemical Ltd. (604) 521-4818
 1035 Derwent Way (204) 957-0118 (EMERGENCY) (RRC)
 Annacis Island (519) 339-2145 (Alternate EMERGENCY) (RRC)
 New Westminster, B.C. Sarnia
 V3M 5R4
 TEAP MEMBER: Imperial Oil, Chemicals Division

Conoco Inc. (613) 348-3616 (RRC)
 Box 611
 Maitland, Ontario
 K0E 1P0
 TEAP MEMBER: Du Pont Canada Inc.

Cornwall Chemicals Limited (613) 938-5333 (VRC)
 300 Brookdale Avenue (office and 24 hours EMERGENCY)
 P.O. Box 609
 Cornwall, Ontario
 K6H 5T3
 TEAP MEMBER: ICI Canada Inc.

Cyanamid Canada Inc. (905) 356-8310 (VRC)
 88 McNabb Street
 Markham, Ontario
 L3R 6E6

PLANT LOCATIONS:

Baie d'Urfé Plant
 19400 Trans Canada Highway (905) 356-8310 (VRC)
 Baie d'Urfé, Quebec
 H9X 3N7

Niagara Plant (905) 356-8310 (VRC)
 P.O. Box 2118
 4001 Fourth Avenue
 Niagara Falls, Ontario
 L2E 6Z2

Welland Plant (905) 356-8310 (VRC)
 Box 240
 Garner Road
 Niagara Falls, Ontario
 L2E 6T4

Cyro Canada (905) 356-8310 (VRC)
 8100 Dorchester Road
 P.O. Box 898
 Niagara Falls, Ontario
 L2E 6V6
 TEAP MEMBER: Cyanamid Canada Inc.

January 14, 1994

Schedule "A" TEAP Agreement

Dow Chemical Canada Inc. (519) 339-3711 (RRC)
(RRC) Sarnia Division
P.O. Box 3030
Sarnia, Ontario
N7T 7M1

The Dow Chemical Company (519) 339-3711 (RRC)
c/o Modeland Centre
P.O. Box 1012
Sarnia, Ontario
N7T 7K7
TEAP MEMBER: Dow Chemical Canada Inc.

Drew Chemical Ltd. (905) 683-0150 (workdays 8:30 a.m. to
Drew Court 5:00 p.m.)
Ajax, Ontario 1-800-ASHLAND (after working hours)
L1S 2E5
TEAP MEMBER: Ashland Chemical

Du Pont Canada Inc. (613) 348-3616 (RRC)
P.O. Box 611
Maitland, Ontario
KOE 1P0

Du Pont Merck Pharma (613) 348-3616 (RRC)
c/o P.O. Box 611
Maitland, Ontario
KOE 1P0
TEAP MEMBER: Du Pont Canada Inc.

Du Pont Neochem (613) 348-3616 (RRC)
315 Rotterdam
C.P. 378
St-Augustin de Mesmaures, Quebec
G3A 1W2
TEAP MEMBER: Du Pont Canada Inc.

January 14, 1994

Schedule "A" TEAP Agreement

E.I. Du Pont de Nemours & Company c/o P.O. Box 611 Maitland, Ontario KOE 1P0 TEAP MEMBER: Du Pont Canada Inc.	(613) 348-3616 (RRC)
Eka Nobel Canada Inc. C.P. 2000 1900 St. Patrice Street East Magog, Quebec J1X 4X6	(819) 843-8771
Elf Atochem Canada Inc. 700 Third Line Oakville, Ontario L6J 5A3	(905) 827-9841 Workdays 8:00 a.m. to 5:00 p.m. (905) 845-3434 (after hours answering service) Contact: Mr. Keith Thacker residence (905) 637-5562
Esso Chemical Alberta Ltd. Scotia Place 10060 Jasper Avenue Edmonton, Alberta T5J 3R8 TEAP MEMBER: Imperial Oil, Chemicals Division	(416) 968-4767 (office contact) (403) 998-6020 (EMERGENCY) (Red Water, Alberta) (204) 957-0118 (EMERGENCY) (RRC) (519) 339-2145 (Alternate EMERGENCY) (RRC) (Sarnia)
Ethyl Canada Inc. Suite 600 350 Burnhamthorpe West Mississauga, Ontario L5B 3J1	(519) 862-1411 (24 hours) (905) 566-9222 (office hours)
Exxon Chemical Canada 111 St. Clair Ave. West Toronto, Ontario M5W 1K3 TEAP MEMBER: Imperial Oil, Chemicals Division	(416) 968-4767 (office contact) (204) 957-0118 (EMERGENCY) (RRC) (519) 339-2145 (Alternate EMERGENCY) (RRC) (Sarnia)

January 14, 1994

Schedule "A" TEAP Agreement

FMC of Canada Limited
P.O. Box 2366
Prince George, B.C.
V2N 2S6

(604) 561-4221

August 12, 1992

Schedule "A" TEAP Agreement

Henkel Canada Ltd.
2290 Argentia Road
Mississauga, Ontario
L5N 6H9

(905) 542-7550
F. des Tombe

PLANT LOCATIONS:
9550 Ray Lawson Blvd.
Ville D'Anjou, Quebec
H1J 1L3

(514) 353-7550
P. Flood

425 Kipling Ave.
Etobicoke, Ontario
M8Z 5C8

(416) 259-3751 (weekdays 8:30-4:30)
(416) 259-3755 (after hours)

HERCULES Canada Inc.
2 Robert Speck Parkway
Mississauga, Ontario
L4Z 1H8

(905) 848-1800 (weekdays 8:30-5:00)
A. Mansing
(905) 848-8888 (after hours)

PLANT LOCATIONS:
St. Jean, Quebec

(514) 348-4967
P. Bednikoff

Iberville, Québec

(514) 347-4371
Contact Shift Supervisor after hours

Varennnes, Quebec

(514) 652-3945
Contact Shift Supervisor after hours

Burlington, Ontario

(905) 632-7861 (VRC)
Contact Shift Supervisor after hours

HIMONT CANADA, INC.
3360 Chemin de la Baronnie
Varennnes, Quebec
J3X 1T6

(514) 449-8500
(514) 449-8500 Guard House(after hours)
1st Contact: Doug Tobin(302)996-5921
(if no answer, press "0")
2nd Contact: Marc Triganne(514)449-8500
(ext. 8508)
3rd Contact: Claude Goulet(514)449-8500
(ext. 8503)

January 14, 1994

Schedule "A" TEAP Agreement

Hoechst Canada Inc. (514) 333-3500
4045 Cote Vertu
Montreal, Quebec
H4R 1R6

PLANT LOCATION:
295 Henderson Drive (306) 721-4500 (VRC)
Regina, Saskatchewan
S4N 6C2

Hydor-Tech Limited (416) 444-2112
1071 Cliveden Avenue
New Westminster, B.C.
V3M 5V1
TEAP MEMBER: Sulco Chemicals Ltd.

August 12, 1992

Schedule "A" TEAP Agreement

ICI Autocolor (416) 787-2411 (office hours)
 1330 Castlefield Avenue 1-800-561-3636 (24 hours EMERGENCY)
 P.O. Box 1280, Station "T"
 Toronto, Ontario
 M6B 4B3
 TEAP MEMBER: ICI Canada Inc.

ICI Canada Inc. (416) 229-7000 (office hours)
 Head Office 1-800-561-3636 (24 hours EMERGENCY)
 90 Sheppard Avenue East
 P.O. Box 200, Station "A"
 North York, Ontario
 M2N 6H2

PLANT LOCATION:
 Dalhousie Works (506) 684-4328 (RRC)
 Box 850 (office hours and
 Dalhousie, N.B. 24 hours EMERGENCY)
 EOK 1B0

ICI Explosives Canada (416) 229-7000 (office hours)
 90 Sheppard Ave. East 1-800-561-3636 (24 hours EMERGENCY)
 North York, Ontario
 M2N 6H2
 TEAP MEMBER: ICI Canada Inc.

PLANT LOCATIONS:
 (in alphabetical order)
 Baie Verte On-Site (709) 551-1231 (office hours)
 P.O. Box 387
 Baie Verte, Newfoundland
 AOK 1B0

Blackie On-Site (403) 684-3385 (office hours)
 P.O. Box 208
 Blackie, Alberta
 TOL 0J0

Brownsburg Works (514) 533-4201 (VRC)
 Maple Avenue South (office and
 Brownsburg, Quebec 24 hours EMERGENCY)
 J0V 1A0 1-800-561-3636

Carol Lake On-Site (709) 944-2962 (office hours)
 P.O. Box 159
 Labrador City, Labrador
 A2V 2K5

Carseland Works (403) 936-5381 (office and
 P.O. Box 250 24 hours EMERGENCY)
 Carseland, Alberta
 T0J 0M0

(continued on next page)

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PLANT LOCATIONS (continued):

Complex de McMasterville 801 Richelieu Blvd. McMasterville, Quebec J3G 1T9	(514) 467-3382 (office and 24 hours EMERGENCY)
East Kemptville On-Site P.O. Box 518 Yarmouth, N.S. B5A 4B4	(902) 761-2311 ext. 349 (office hours)
Endako On-Site P.O. Box 70 Endako, B.C. VOJ 1L0	(604) 699-6637 (office hours)
Hemlo On-Site P.O. Box 868 Manitouwadge, Ontario POT 2C0	(807) 238-1089
Minto On-Site P.O. Box 428 Minto, N.B. EOE 1J0	(506) 339-6244 (office hours)
Mount Wright On-Site P.O. Box 370 Fermont, Quebec GOG 1J0	(418) 287-5407 (office hours)
Port Hardy On-Site P.O. Box 1000 Port Hardy, B.C. VON 2P0	(604) 949-6321 ext. 216 (office hours)
Sept Isle On-Site P.O. Box 697 Sept Isle, Quebec G4R 4L1	(418) 968-1711 (office hours)
Tappen Works P.O. Box 1300 Salmon Arm, B.C. V1E 4P4	(604) 835-4543 (office hours) (514) 533-4201 (24 hours EMERGENCY)
Thetford On-Site P.O. Box 520 Black Lake, Quebec GON 1A0	(418) 423-5588 (office hours)

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Schedule "A" TEAP Agreement

PLANT LOCATIONS (continued):

Thompson On-Site (204) 677-4924 (office hours)
 P.O. Box 399
 Thompson, Manitoba
 R8N 1N2

Wabush On-Site (709) 282-6974 (office hours)
 P.O. Box 159
 Wabush, Newfoundland
 A2V 2K5

ICI Forest Products 1-800-561-3636 (24 hours EMERGENCY)
 31st Floor (514) 397-6100 (office hours)
 630 Rene Levesque Blvd. W.
 Montreal, Quebec
 H3B 1S6
 TEAP MEMBER: ICI Canada Inc.

PLANT LOCATIONS:
 (in alphabetical order)
 Canso Chemicals
 (see page C.1)

(902) 755-1785
 (office)

Cornwall Works
 300 Brookdale Ave.
 P.O. Box 1299
 Cornwall, Ontario
 K6H 5V4

(613) 938-5333 (VRC)
 (24 hours EMERGENCY)

Dalhousie Works
 P.O. Box 850
 Dalhousie, N.B.
 E0K 1B0

(506) 684-4328 (RRC)
 (24 hours EMERGENCY)

Usine de Bécancour
 Bécancour Industrial Pk.
 P.O. Box 10
 Bécancour, Quebec
 G0X 1B0

(819) 294-6633 (VRC)
 (24 hours EMERGENCY)

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ICI Paints (905) 669-1020 (office hours)
 8200 Keele Street 1-800-561-3636 (24 hours EMERGENCY)
 Concord, Ontario
 L4K 1B6
 TEAP MEMBER: ICI Canada Inc.

PLANT LOCATIONS:
 ICI Paints Inc. (514) 641-4540 (office hours)
 1470 Nobel
 Boucherville, Quebec
 J4B 5H3

ICI Polyurethanes (905) 678-9150 (office hours)
 2795 Slough Street
 Mississauga, Ontario
 L4T 1G2
 TEAP MEMBER: ICI Canada Inc.

ICI SURFACTANTS (519) 756-6242
 70 Market Street 1-800-561-3636 (24 hr. EMERGENCY)
 P.O. Box 1085
 Brantford, Ontario
 N3T 5T2
 TEAP MEMBER: ICI Canada Inc.

Imperial Oil, Chemicals Division (416) 968-4767 (office contact)
 111 St. Clair Avenue W. (519) 339-2145 (Alternate EMERGENCY) (RRC)
 Toronto, Ontario (Sarnia)
 M5W 1K3

Imperial Oil, Products Division (416) 968-5565 (office contact)
 111 St. Clair Avenue W. (519) 339-2145 (Alternate EMERGENCY) (RRC)
 Toronto, Ontario (Sarnia)
 M5W 1K3
 TEAP MEMBER: Imperial Oil, Chemicals Division

Imperial Oil, Products Division (204) 957-0118 (24 hr. EMERGENCY) (RRC)
 2925 Henderson Highway (519) 339-2145 (Alternate EMERGENCY) (RRC)
 Winnipeg, Manitoba (Sarnia)
 R2E 0E9 (204) 661-2363 (office contact)
 TEAP MEMBER: Imperial Oil, Chemicals Division

Imperial Oil Resources Limited (403) 237-2108 (office contact)
 237 - 4th Avenue S.W. (403) 233-7774 (after hours)
 Calgary, Alberta
 T2P 0H6
 TEAP MEMBER: Imperial Oil, Chemicals Division

Imperial Oil, Chemicals Division (519) 339-2145 (Alternate Emergency) (RRC)
 P.O. Box 3033 (519) 339-4489 (office contact)
 Sarnia, Ontario (Ernie Wong)
 N7T 7M5
 TEAP MEMBER: Imperial Oil, Chemicals Division

January 14, 1994

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KemaNord Inc. (819) 843-8771
c/o P.O. Box 2000
1900 St. Patrice St. E.
Magog, Quebec J1X 4X6
TEAP MEMBER: Eka Nobel Canada Inc.

Kronos Canada Inc. (514) 652-5115
3390 Marie-Victorin
Varennnes, Quebec J0L 2P0

August 12, 1992

Schedule "A" TEAP Agreement

Lubrizol Canada Ltd.
5800 Thorlde Stone Rd.
P.O. Box 598
Niagara Falls, Ontario
L2E 6V2

(905) 358-5778

January 14, 1994

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M and T - Harshaw Canada (905) 332-0111
1180 Corporate Drive
Burlington, Ontario Contact: Sue Guida
L7L 5R6
TEAP MEMBER: Elf Atochem Canada Inc.

Maligne Resources Limited (519) 339-3711 (RRC)
c/o Modeland Centre
P.O. Box 1012
Sarnia, Ontario
N7T 7K7
TEAP MEMBER: Dow Chemical Canada Inc.

MARSULEX Inc. 1-800-263-9502 (VRC)
Suite 300, 111 Gordon Baker Road
North York, Ontario
M2H 3R1

PLANT LOCATIONS:

1690 rue Marie-Victorin 1-800-263-9502 (VRC)
Tracy, Quebec
J3P 5N8

6300 Oldfield Road 1-800-263-9502 (VRC)
Niagara Falls, Ontario
L2G 3J8

P.O. Box 3180 1-800-263-9502 (VRC)
11652 - 99th Avenue
Fort Saskatchewan, Alberta
T8L 2T2

January 14, 1994

Schedule "A" TEAP Agreement

Merrell Dow Pharmaceuticals (519) 339-3711 (RRC)
 (Canada) Inc.
 380 Elgin Mills Road East
 Richmond Hill, Ontario
 L4C 5H2
 TEAP MEMBER: Dow Chemical Canada Inc.

Merrell Dow Pharmaceuticals Inc. (519) 339-3711 (RRC)
 2110 East Galbraith Road
 Cincinnati, Ohio
 45215
 TEAP MEMBER: Dow Chemical Canada Inc.

Métallurgie du Cuivre Noranda Inc. (819) 762-7764
 (Division Horne) (514) 373-9144 (24 hours EMERGENCY)
 101, Avenue Portelance
 Rouyn-Noranda, Québec
 J9X 1P5
 TEAP MEMBER: Canadian Electrolytic Zinc

METHANEX CORPORATION (604) 632-2441 (VRC)
 P.O. Box 176
 Kitimat, B.C.
 V8C 2G7

MILES CANADA INC. (514) 697-5555 (24 hours)
 77 Belfield Road Walter Banas
 Etobicoke, Ontario Harold Mueller
 M9W 1G6
 TEAP MEMBER: Polysar Rubber Corporation

Monsanto Canada Inc. (514) 366-5588
 2330 Argentia Road
 P.O. Box 787
 Streetsville Post Office
 Mississauga, Ontario
 L5M 2G4

PLANT LOCATION:
 425 St. Patrick Street (514) 366-5588
 LaSalle, Quebec
 H8N 2H3

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Nacan Products Limited (613) 936-8892
 60 West Drive
 Brampton, Ontario
 L6T 4W7

PLANT LOCATIONS:
 50 boul. Marie-Victorin (514) 655-2220
 Boucherville, Quebec
 J4V 1V5

201 MacDonald Street (705) 455-1140
 Collingwood, Ontario
 L9Y 4J1

500 Keele Street (416) 531-2466
 Unit #104
 Toronto, Ontario
 M6N 3C9

371 Wallace Avenue (416) 531-2463
 Toronto, Ontario
 M6P 3P1

13375 Comber Way (604) 596-1566
 Surrey, B.C.

NALCO Inc. (905) 632-8791 (24 hours EMERGENCY)
 1055 Truman Street 1-800-463-3216
 P.O. Box 5002
 Burlington, Ontario
 L7R 3Y9

PLANT LOCATION:
 Edmonton Works (403) 449-5252 (office hours only)
 P.O. Box 6120, Station C (905) 632-8791 (24 hours EMERGENCY)
 1720 - 106th Avenue
 Edmonton, Alberta
 T5B 4K5

National Silicates Limited (416) 255-7771
 P.O. Box 69, Station N,
 Toronto, Ontario
 M8V 3S7

PLANT LOCATIONS:
 429 Kipling Avenue (416) 255-7771
 Toronto, Ontario
 M8Z 5C7

Silicates National Ltee. (514) 373-1121
 Rue Fabre
 Valleyfield, Québec
 J6S 4V6

(continued on next page)

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Schedule "A" TEAP Agreement

52 Avenue, Lot 6 (403) 778-2666
 McLeod Industrial Park
 Whitecourt, Alberta
 T0E 2L0

1140 Herring Gull Road (604) 248-8875
 Parksville Industrial Park
 Parksville, B.C.
 V9P 1R2

NESTE RESINS CANADA (705) 474-3703 (24 hr. EMERGENCY) (RRC)
 5865 McLaughlin Road (905) 712-0900 (office hours)
 Unit 3
 Mississauga, Ontario
 L5R 1B8

PLANT LOCATIONS:
 720 Kingston Avenue (604) 376-6032
 Kamloops, British Columbia
 V2B 2C8

76 St. David Street (705) 324-6139
 P.O. Box 52
 Lindsay, Ontario
 K9V 4R8

281 Wallace Road (705) 474-7460
 P.O. Box 200
 North Bay, Ontario
 P1B 8H2

100 Rue Blanchard (514) 430-2366
 P.O. Box 120
 Ste. Thérèse de Blainville
 Québec J7E 4J1

1100 Montreal Street (807) 577-6414
 P.O. Box 1088
 Thunder Bay, Ontario
 P7C 4X9

Noranda Minerals Inc. (418) 784-2541
 (Mines Gaspé Division) (514) 373-9144 (24 hours EMERGENCY)
 Murdochville, Quebec
 G0E 1W0
 TEAP MEMBER: Canadian Electrolytic Zinc

Noranda Sales Corporation Limited (514) 373-9144 (24 hours EMERGENCY)
 Minerals, Chemicals and Guy Desgagnés
 Fertilizers Division
 P.O. Box 45,
 Commerce Court West
 Toronto, Ontario
 M5L 1B6
 TEAP MEMBER: Canadian Electrolytic Zinc

January 14, 1994

Schedule "A" TEAP Agreement

Novacor Chemical Ltd. (403) 290-7200
P.O. Box 2335, Station M
Calgary, Alberta T2P 2N6

PLANT LOCATIONS:
Montreal, Quebec (519) 337-8251
Cambridge, Ontario (519) 337-8251
Corunna, Ontario (519) 862-2911
Moore Township, Ontario (519) 862-2961
Sarnia, Ontario (519) 337-8251
Joffre, Alberta (403) 342-8611 (VRC)
Medicine Hat, Alberta (403) 527-8141

Nutrite Inc. (613) 348-3681 (office hours)
P.O. Box 681 (613) 348-3990 (24 hours EMERGENCY)
Maitland, Ontario KOE 1P0

January 14, 1994

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PPG Canada Inc. (514) 429-3552 (VRC)
 Industrial Chemicals
 P.O. Box 2010
 Beauharnois, Quebec
 J6N 3C3

Parker Amchem (416) 743-8811
 165 Rexdale Blvd.
 Rexdale, Ontario
 L6J 5A3
 Linc Gardiner
 TEAP MEMBER: Henkel Canada Ltd.

PLANT LOCATION:
 2224 Walker Road (416) 743-8811
 P.O. Box 2097
 Windsor, Ontario
 N8Y 4R5
 Linc Gardiner

Pétromont Inc. (514) 652-2971
 2931 Marie-Victorin Blvd.
 Varennes, Quebec
 J3X 1S7

PLANT LOCATIONS:
 10555 boul. Metropolitain (514) 640-6400 (24 hour EMERGENCY) (RRC)
 Montreal, Quebec
 H1B 1A1
 Emergency Coordinator
 2931 boul. Marie-Victorin (514) 652-2971
 Varennes, Quebec
 J3X 1S7
 Emergency Coordinator

Polysar Rubber Corporation (519) 337-8251 (ext. 4272) (VRC)
 1265 Vidal Street South
 Sarnia, Ontario
 N7T 7M2

January 14, 1994

Schedule "A" TEAP Agreement

Procter & Gamble Cellulose Limited	(403) 539-8333 (24 hours:
Postal Bay 1020	EMERGENCIES ONLY)
Grande Prairie, Alberta	(403) 539-8500 (24 hours) (VRC)
T8V 3A9	
TEAP MEMBER: Procter & Gamble Inc.	
Procter & Gamble Inc.	(905) 545-1121 (Ext. 263) (VRC)
1142 Burlington Street East	(office hours)
Hamilton, Ontario	(905) 545-1121 (after hours) (VRC)
PLANT LOCATIONS:	
6500 Trans Canada Highway	(514) 697-2770 (VRC)
Pointe Claire, Quebec	
1475 California Avenue	(613) 342-9592 (VRC)
Brockville, Ontario	
355 University Avenue	(613) 966-5130 (office hours)
Belleville, Ontario	(613) 966-5130 Ext.224 (after hours)
Produits Chimiques CCC Ltée	(416) 444-2112
9999 TransCanada Highway	(514) 333-7820 (office hours)
Laurent, Quebec	
H4S 1V1	
TEAP MEMBER: Sulco Chemicals Limited	

January 14, 1994

Schedule "A" TEAP Agreement

Recochem Inc.
850 Montée de Liesse
Montreal, Quebec H4T 1P4

(514) 341-3550 (office hours)
(514) 358-0938 (24 hr. EMERGENCY)
(514) 663-0765 (after hours)
Res. Sal Guerriero
(514) 585-3751 (after hours)
Res. Yves Brosseau
(613) 678-2662 (after hours)
Res. R. Carmichael

PLANT LOCATIONS:
Refining Division
175 rue de l'Eglise
Napierville, Quebec
J0J 1L0

Central Division
131 East Drive
Brampton, Ontario
L6T 1B5

Recochem (B.C.) Inc.
1745 Kingsway Avenue
Vancouver, B.C.
V3C 4P2

Reichhold Chemical Industries (919) 990-7500 (24 hours)
2400 Ellis Rd.
Research Triangle Park, North Carolina
U.S.A.
27709-3582
TEAP MEMBER: Reichhold Limited

Reichhold Limited (905) 848-5540 (office hours)
4 Robert Speck Parkway (416) 742-6127 (after hours)
Suite 700
Mississauga, Ontario
L4Z 1S1

January 14, 1994

Schedule "A" TEAP Agreement

Rhône-Poulenc Canada Inc.	(905) 821-4450 (office hours)
2000 Argentia Road	1-800-334-7577 (Toll-free 24 hr.
Plaza 3, Suite 400	EMERGENCY) (RRC)
Mississauga, Ontario	
L5N 1V9	

PLANT LOCATIONS:
 Rhône-Poulenc Canada Inc. (403) 253-8471
 5507 First Street S.E.
 Calgary, Alberta
 T2H 1H9

Rhône-Poulenc Specialty Chemicals Ltd.
 3265 Wolfedale Road (905) 270-5534
 Mississauga, Ontario
 L5C 1V8

Rhône-Poulenc Specialty Chemicals Ltd.
 P.O. Box 160 (905) 688-6470
 321 Welland Ave.
 St. Catharines, Ontario
 L2R 6S4

Rhône-Poulenc Specialty Chemicals Ltd.
 490 Dufferin Street (514) 373-6164
 Valleyfield, Quebec
 J6S 2B4

Rohm and Haas Canada Inc.	(416) 284-4711 (office hours)
2 Manse Road	1-800-567-7455 (24 hr. EMERGENCY) (RRC)
West Hill, Ontario	
M1E 3T9	

PLANT LOCATIONS:
 Rohm and Haas Canada Inc. (416) 284-4711
 2 Manse Road (416) 284-4715 (after hours)
 West Hill, Ontario
 M1E 3T9

Rohm and Haas Canada Inc. (613) 543-2983
 Hwy. #2 East
 Morrisburg, Ontario
 K0C 1X0

Schedule "A" TEAP Agreement

Scotford Chemicals Inc. (see Shell Canada Chemical listings)
 1834 Walden Office Square
 Suite 220
 Schaumburg, Illinois 60173
 TEAP MEMBER: Shell Canada Chemical Company

Shell Canada Chemical Co.
 75 Wynford Drive
 Don Mills, Ontario
 M3C 1Z4

PLANT LOCATIONS:	
Montreal East Refinery	(514) 645-1661
Sarnia Centre	(519) 862-2822
Scotford Refinery	(403) 992-3666
Shellburn Refinery	(604) 298-2484

Shell Canada Products Company 1-800-661-7378
 Box 100, Station M
 Calgary, Alberta
 T2P 2H5
 TEAP MEMBER: Shell Canada Chemical Company

Stelco Inc. (905) 528-7855
 General Office
 Stelco Tower
 Hamilton, Ontario
 L8N 3T1

PLANT LOCATIONS:	
Contrecoeur, Quebec -	McMaster Works
Lachine, Quebec -	Dominion Works
Beachville, Ontario -	Chemical Lime Works
Brantford, Ontario -	Brantford Works
Burlington, Ontario -	Burlington Works
	Stelco Research Centre

Gananoque, Ontario -	Gananoque Works
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Hamilton, Ontario -	Hilton Works
	Canada Drawn Works
	Frost Works
	Parkdale Works

Nanticoke, Ontario -	Lake Erie Works
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Red Lake, Ontario -	The Griffith Mine
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Toronto, Ontario -	Swansea Works
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Welland, Ontario -	Page-Hersey Works
	Welland Tube Works

Camrose, Alberta -	Camrose Works
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Edmonton, Alberta -	Stelco Edmonton, Steel Works
	Stelco Edmonton, Finishing Works

January 14, 1994

Schedule "A" TEAP Agreement

Sulco Chemicals Co. Limited (519) 669-5166 (VRC)
60 - 1st Street East
Elmira, Ontario
N3B 2Z5

Surpass Chemicals Limited (416) 284-1661
Suite 1100
250 Consumers Road
Willowdale, Ontario
M2J 4V6

Other locations:
36 Upton Road (416) 751-6100
Scarborough, Ontario
M1L 2B9

10 Chemical Court (416) 284-1661
West Hill, Ontario
M1E 3X7

January 14, 1994

Schedule "A" TEAP Agreement

Texaco Chemical Canada	1-800-267-4278 (24 hr. EMERGENCY)
150 Research Park Lane, Suite 307	1-519-824-3280 (Office 24 hrs.)
Guelph, Ontario	
N1G 4T2	

Texize Canada Ltd.	(519) 339-3711 (RRC)
Box 2004	
326 Grand River Street North	
Paris, Ontario	
N3L 3T7	
TEAP MEMBER: Dow Chemical Canada Inc.	

July 15, 1993

Schedule "A" TEAP Agreement

Union Carbide Chemicals (514) 640-6400 (RRC)
and Plastics Canada Inc.
360 - 7400 Les Galeries d'Anjou
Ville D'Anjou, Quebec H1M 3M2

PLANT LOCATION:
P.O. Box 700 (514) 640-6400 (RRC)
Pointe-aux-Trembles, Quebec
H1B 5K8

Union Carbide Corporation (514) 640-6400 (RRC)
Ethylene Oxide/Glycol Company (403) 885-4200 (office hours)
P.O. Box 5501
Red Deer, Alberta
T4N 6N1

TEAP MEMBER: Union Carbide Chemicals and Plastics Canada Limited

UNIROYAL Chemical Ltd. (519) 744-3060
Division of UNIROYAL Limited (519) 669-1671 (office hours)
25 Erb Street
Elmira, Ontario Glenn Martin
N3B 3A3

July 15, 1993

Schedule "A" TEAP Agreement

Witco Canada Inc. (416) 222-4142
2 Lansing Square (416) 497-9991 (office hours)
Suite 1200
Willowdale, Ontario
M2J 4Z4

PLANT LOCATIONS:

1893 rue Moreau (514) 521-1114 (office hours)
Montreal, Quebec (416) 222-4142 (after hours)

48 Alice Street (519) 759-7400 (office hours)
Brantford, Ontario (416) 222-4142 (after hours)

1485 Speers Road (416) 827-1123 (office hours)
Oakville, Ontario (416) 222-4142 (after hours)

January 14, 1994

SCHEDULE "C"

**EMERGENCY RESPONSE SKILLS
TRAINING MATRIX**

August 12, 1992

The Canadian Chemical Producers' Association

"TEAP" Emergency Response Skills Training Marix

[A] Awareness [W] Working Knowledge [E] Expert [C] Certification Required						
Skill Training Categories	Team Member	Team Leader	TEAP Technical Advisor**	Home Co-ordinator	Comments	
GENERAL EMERGENCY RESPONSE ORIENTATION	W	E	E	W		
RESPONDER AWARENESS*	W	W	W	W	Response team members require more than this level of training.	
RESPONDER OPERATIONAL*	W	W	W	A	TDG Certification where required.	
HAZMAT TECHNICIAN*	A	W	A	A	Certification available through AAR - Pueblo.	
HAZMAT SPECIALIST*	A	A	A	A	TEAP Technical Advisors require some of the Specialist skills but not full certification as a hazmat specialist.	
PRODUCT SPECIFIC KNOWLEDGE	W	W	E	W		
CONTINGENCY PLAN AWARENESS (SITE OR AREA SPECIFIC)	W	E	E	W		
LOGISTICS	A	W	W	E		
CRITICAL TASK TRAINING (CRITICAL TASK ANALYSIS REQUIRED)	W	W	W	A	For tasks which team members are expected to perform with equipment normally available to their team.	
MEDIA TRAINING	A	W	W	A		
TELECOMMUNICATIONS	W	W	W	W	Certification where required, depends on equipment used.	
DISCIPLINED APPROACH	W	E	E	W		
GOV'T ORGANIZATIONS (Municipal, Provincial, Federal)	A	W	W	W		
CORPORATE ORGANIZATION	W	W	W	E		
CRISIS MANAGEMENT	A	A	A	W		

* Based on NFPA 472 Standard for Professional Competence of Responders to Hazardous Materials Incidents

** Note: The TEAP Technical Advisor function may require one or more persons with the necessary skills to fulfill the requirements

TRAINING MATRIX

This training matrix is based on one developed by Imperial Oil Limited and modified to meet TEAP's emergency response training requirements.

PURPOSE

This section is designed to provide specific guidance regarding the minimum training required for personnel who are part of organized emergency response teams or personnel who may be called upon to provide response to release of products or hazardous materials.

Where contract personnel are used in place of or to supplement company employees, assurance should be obtained that contract personnel meet the company training standards.

RESPONSE TEAM POSITIONS

The matrix has categorized personnel who require emergency response training as follows:

All positions are defined in the TEAP contract.

TEAM MEMBER:

- Employees who are trained members of an organized Response Team or who may be called upon to respond to an off site transportation emergency.
- Team members report to the Team leader.

TEAM LEADER:

- An employee designated to lead the Emergency Response Team.
- Team leader reports to the On-Scene Commander.

TECHNICAL ADVISOR:

- Supports the Team leader and on scene commander (Fire, Police etc.)
- Familiar with the member's chemicals
- Requires expert knowledge in the areas of NFPA Hazmat Technician and Hazmat Specialist level training which pertain to his company's products for which he is responsible as a Technical Advisor.
- Requires working knowledge of any critical tasks which are specific to his company's products for which he is responsible as a Technical Advisor.

Critical tasks are described further in the Skill Training Categories section

HOME COORDINATOR:

- Remains at home base to maintain communications and provide support to the Team leader and /or technical advisor.

DEGREE OF TRAINING:

Response personnel need to achieve one of the three degrees of training as described below for the skill categories required for their position and be certified where required.

AWARENESS

Awareness training is a basic awareness that information is available on a certain subject area and where that information may be obtained. Sufficient information should be provided in awareness level training to ensure the safety of the individual. This levels should not be confused with the NFPA 472 awareness training

WORKING KNOWLEDGE

A "Working knowledge" includes additional training above the awareness level that enables an individual to perform the skills required to achieve the appropriate response. A person who has working knowledge needs to know how to obtain additional information when the limit of their knowledge is reached.

EXPERT

Expert knowledge is that level of training that enables an individual to make significant contribution to a response team in a specific assigned role. It is also that level of expertise that would enable instruction of other team members or contract personnel.

SKILL TRAINING CATEGORIES

Fifteen training categories have been assigned in the left hand column of the matrix to describe the required training. They are listed below with a brief description of each category.

CERTIFICATION

Certification refers to the issuance of a certificate of training based on an evaluation of the trainees comprehension or performance. A certificate of proficiency is indicated on the skills training matrix where required by law or where a means of certification is available.

Team leaders and persons performing activities which require certification under the Transportation of Dangerous Goods Act and Regulations need to be certified.

Certification to CFR 129.1910 is also required for response team members who respond into the United States although, unlike TDG Regulations, the US regulations do not require the team member to carry a certificate.

Certification in additional areas may be required as legislative requirements and industry emergency response standards change.

GENERAL EMERGENCY RESPONSE ORIENTATION

A general orientation to emergency response should provide a brief overview of your company's program to prevent incidents, and the emergency response plans which can be activated.

An explanation of the following subject matter should be included. The presentation should preferably be supplemented with visual aids or handout material.

- Corporate Emergency Response Policy
- Legislative Requirements
- Reference to "Responsible Care"
- How to activate the emergency response system
- Emergency Response Teams
- Emergency response equipment
- Training programs for emergency responders
- Participation in Mutual Aid response plans with specific information on the requirements of TEAP
- Liaison with First Responders and communities
- Information on local emergency plans
- Crisis Management / Crisis Communication

Suggested Training Material

- Company emergency response brochures
- Company emergency response plan
- TEAP brochure
- Dangerous Goods Guide to Initial Emergency Response (CANUTEC) 1986

- Examples of incident responses and lessons learned.

RESPONDER AWARENESS

Responder Awareness training requirements are in the First Responder Awareness section of NFPA 472. They provide training in the subjects listed below to ensure a person who is called to the scene of an emergency can respond in a safe manner. A person with responder awareness training is not expected to take any action other than to recognize that a hazard exists, call for trained personnel and secure the area.

Responder Awareness training includes:

- Understanding the risks associated with hazardous materials
- Understanding the potential outcomes of a hazardous material incident
- The ability to recognize hazardous materials
- The ability to identify hazardous materials and basic hazard information
- Understand the roles of First Responders and industry responders
- The ability to recognize the need for additional resources and notify them
- The ability to initiate scene management (isolate the scene)

Suggested Training Material

Training courses:

any of the following

- Lambton college
 - TDG / ER (Basic)
- Pueblo Community College
 - Emergency Response Awareness Level
- Pacific Marine Training Institute
 - Customized Courses
- Texas A&M
 - Hazmat Control I
- In House Developed Programs

Printed Materials

- NFPA 472 Training Standard
- Dangerous Goods Guide to Initial Emergency Response (CANUTEC) 1986
- D.O.T. Emergency Response Guide - 1989
- T.D.G. Awareness Brochures
- TEAP Brochures
- TEAP Procedures Manual - 1990

- WHMIS brochures
- Hazardous Materials - Warren E. Isman
- Hazardous Materials Emergencies - Response and Control by John R. Cashman

Audio Visual Resources

- Canutec Video
- Response (Charboneau Productions)
- TEAP Training Videos
 - Planning Needs
 - Initial Response
 - On Scene Relationships
- Its Worth It - PACE
- Surviving the Hazardous Material Incident
- Vidéo 1 - Introduction to Hazardous Materials

Conferences

Programs are ever changing. Select as to timing, content, and availability (e.g. TEAP all members meeting).

Workbooks

(any one of the following)

- Surviving the Hazardous Material Incident Chapter I
- Hazardous Materials for First Responders - IFISTA

RESPONDER OPERATIONAL

Responder Operational training requirements are included in NFPA 472. They require proficiency in Responder Awareness training and add sufficient skills to provide a response to the incident within the limitations of the equipment and protective equipment available to the individual.

The responder is not expected to use specialized protective clothing or control equipment.

Responder operational training includes:

- The ability to make an initial hazard / risk assessment
- The ability to determine the adequacy of personal protective equipment
- Understand basic hazardous materials terms
- Ability to perform basic hazardous material control operations (within the capabilities of resources and basic PPE)
- Understanding of decontamination procedures
- Ability to perform basic record keeping tasks
- Ability to expand the basic incident command system

Suggested Training Material

Training Courses

any of the following:

- Lambton College - TDG/ER (Basic)
 - Basic Spill Response
- Pueblo Community College - Emergency Response Operations Level
- Texas A&M - HazMat Control II
- Alberta Second Responder Training (limited to space available)
- HD Technologies (Custom Designed Courses)
- Pacific Marine Training Institute: Tank Car Safety

Printed Materials

- NFPA 472 Training Standard
- Incident Command System
- Environment Canada Spills Manual
- Guide to Hazardous Materials in Surface Transportation
- Hazardous Materials for First Responders
- TEAP Procedures Manual 1990
- TDG Act and Regulations

Audio Visual Resources

- Surviving the Hazardous Material Incident
- Incident Command
- BLEVE
- American Heat Series (Selected videos)

Conferences

Programs are subject to change. Select as to timing, content and availability.

- CCPA TEAP All members meeting
- TRANSCAER Seminar

Workbooks

- Surviving the Hazardous Materials Incident
- Hazardous Materials for First Responders - IFISTA

Computer Programs

- CCOHS Info Disc
- Cameo
- Chem Tox

HAZMAT TECHNICIAN

Hazardous Materials Technician requirements are included NFPA 472. They includes proficiency in First Responder awareness and First Responder operational categories plus meet OSHA medical training and surveillance program requirements.

Technician training includes:

The ability to implement a safety plan

- The ability to identify and classify materials using monitoring equipment
- The ability to function within the incident command system
- The ability to select and use level "B" protective equipment
- The ability to make a hazard risk assessment
- The ability to perform advanced hazardous materials control operations
- The ability to select and implement decontamination procedures
- Understanding of basic chemical, biological and radiological terms

Suggested Training Material

Training Courses

- Certified Hazmat Technician - AAR
- Highway Response - AAR
- HD Technologies Advanced
- Tank Car Safety - AAR
- Confined Space Entry - Lambton College
- Hazardous Chemicals / Materials - Northern Alberta Institute of Technology
- Toxicology of Hazardous Materials

Printed Materials

- NFPA 472 Training Standard
- Enviro Tips
- AAR Guides
- Hazardous Materials for First Responders
- Hazardous Materials: Managing the Incident
- Incident Command

Workbooks

- As listed under First Responder Operational

Audio Visuals

- All listed under Awareness and Technical
- HazChem Series
- CHLOREP
- Anatomy of a disaster Miamisburg
- Gleaming in The Public Eye
- Tunnel Vision
- Incident Management
- Decontamination Procedures

HAZMAT SPECIALIST

Hazardous Materials Specialist requirements are found in detail in NFPA 472. They include proficiency in the above categories plus additional training as noted below.

- Ability to develop a site safety plan

- Ability to identify materials using advanced monitoring equipment
- Ability to select and use level "A" protective equipment
- The ability to perform hazard / risk assessment involving multiple hazards

Suggested Training Material

Training Courses

- Advanced SCBA Specialist - Texas A&M University
- Advanced Container Damage - HD Technologies
- Incident Command Safety Officer
- Hazardous Materials Specialist - AID Inc.
- Personal Protection and Safety for Hazmat Workers

Printed Materials

- NFPA 472 Training Standard
- OSHA Guide for Personal Protective Equipment
- Personal Protective Equipment for Hazardous Materials Incidents - A Selection Guide - NIOSH
- American National Standard Skin and Scuba Diving Hand Signals - ANSI 286.4 - 1976
- Incident Command
- Guideline for Selection of Chemical Protective Clothing

Audio Visual Resources

Depending on the area of specialization there are a number of tapes available. Consult alphabetical listing.

- Hazardous Materials Tactics - Scene Safety
- Introduction to Radiological Monitoring
- Protective clothing for Hazmat Incidents

Conferences

- Technical Seminar on Chemical Spills
- Arctic Marine Oil Spill (AMOP)
- Haztech.
- Hazmat.
- Hazardous Materials Spills Conference (American Institute of Chemical Engineers and National Response Team)
- Conference on Personal Protective Clothing by ACGIH
- International Symposium on Protective Clothing

Computer Programs

- Selection Program for Personal Protective Equipment for Hazardous Materials Incidents - NIOSH
- CHEMMIX

PRODUCT SPECIFIC KNOWLEDGE

Product knowledge training should include the ability to obtain and understand basic product hazard information involving the company's products and hazardous materials used within the company's operations.

When the basic information is insufficient to meet response needs you must have the ability to contact the appropriate technical personnel to provide additional information.

TEAP RRC teams must have the ability to read and interpret data sheets so they may obtain product specific knowledge on other TEAP members Schedule XII chemicals which move through their region.

Suggested Training Material

Training Courses

- In House Programs
- Trade Association's Courses ie. Chlorex / PGAC Fertilizer Institute
- Contact Individual Chemical Producers

Printed Materials

- Manual for Spills of Hazardous Materials Environment Canada 1984
- Internal Material Safety Data Sheets and product bulletins
- Envirotips Manual
- Consult Alphabetical Listing of Printed Materials & contact manufacturers for specific recommendations
- CCOHS Publication on MSDS Interpretation

Audio Visual Resources

- Consult Manufacturers and Trade Associations for specific recommendations
- CA NUTEC Video

Conferences

- Consult Trade Associations for specific recommendations

Computer Programs

- CC Info Disk:
- CANCHEM - (CANUTEC)
- CAMEO
- ChemDATA
- CERIS

CONTINGENCY PLAN AWARENESS

Contingency plan training involves a knowledge of the contingency plans which are in place within the employees scope of operation. A level of knowledge is required to enable the employee to function with proficiency within plans which he or she may be called upon to be part of. This includes local area mutual aid plans in addition to company plans.

Suggested Training Material

Training Courses

- Emergency Operations
- Develop your own training aids for your companies emergency response plan.
- TEAP Technical Advisors Course
- Consult Local, Provincial or Federal Emergency Measures / Planning Organizations
- Emergency Communication Planning
- Emergency Public Information
- Exercise Design Course

Printed Materials

- MIACC Industrial Emergency Planning Guidelines
- Emergency Response Assistance Planning Brochure
- Chlorex Situation Assessment & Planning
- Emergency Preparedness Digest Magazine
- Emergency Response to Hazardous Materials Incidents
- Planning Guide and Checklist for Hazardous Materials Contingency Plans
- Hazardous Materials Emergency Planning Guide - US National Response Team NRT-1
- Contingency Planning for Oil Spills

Audio Visual Resources

- Use videos and brochures available from industry mutual aid plans such as TEAP and CHLOREP as appropriate.
- It's Worth It - PACE Contingency Planning Video
- Planning Needs - CCPA
- Planning and Conducting Emergency Exercises - CMA

Conferences

- MIACC
- Emergency Response '91

Workbooks

- Emergency Preparedness Crisis Management Manual

Computer Programs

- CAMEO
- Responder:

LOGISTICS

The logistics of moving the response team to the incident scene, and providing support to the response must be addressed. Logistics training should also include training in the logistics aspects of Incident Command.

Training Courses

Develop training on local customs procedures for Canada and US travel.

- Incident Command - Logistics Section Chief

Printed Materials

- Use & Limitations of Credit Cards (General Information)
- Airline Schedule Guides
- Drum Net - for recovery drums
- Canada Customs Emergency Remissions Order
- Joint Canada US agreement on Movement of Emergency Resources
- The Day Before - ...Chemical Response Planning Through Simulations
- Hazardous Materials Emergency Response & Control
- Hazardous Materials - Managing the Incident
- Incident Command System - Logistics Section Chief

Audio Visual Resources

- Initial Response - CCPA
- Resolving in Incident
- Unified Command

Computer Programs

- Data Bases of available Transportation Resources
- NEELS - National Emergency Equipment Locator System]
- Various computer access programs for airlines schedules
- Spillcheck (under development)

CRITICAL TASK TRAINING

Although we have attempted to be as specific as possible regarding the content and level of training required for response personnel it would be difficult to identify all situations for which training is required.

Any work which a specific response team or individual may be called upon to perform, that has the potential to produce serious loss to people property or the environment and if not performed correctly can be defined as a critical task.

These tasks may vary significantly from team to team depending on the response location, products, equipment involved in the incident and equipment and resources available to respond to the incident.

It is the responsibility of local management and response team leadership to identify the critical tasks which personnel within their operations may be called upon to perform and ensure employees are instructed in the appropriate procedures to perform the tasks safely and effectively.

Examples of some critical tasks are noted below. Local response personnel must however develop procedures which are specific to their operations.

- Gas or Liquid Transfers
- Well control operations
- Damaged tank car / truck / vessel assessment
- Boat operation
- Ship lightering
- Personal survival
- Skimmer operation
- Operation of monitoring equipment (Explosive limits / toxicity)
- Use of SCBA and encapsulating suits
- Response Vehicle Operation

Suggested Training Material

Training Courses

- Various courses on Cold Weather Survival
- Various First Aid / CPR Courses
- Defensive (General) Driving Courses
- Tank Car Safety - AAR
- Industrial API Storage Tank Fire Fighting
- PITS Training courses on well control
- PROCAR Rail Car Course
- Rail Tank Car Response
- Advanced Emergency Response

Printed Materials

- International Safety Rating System for Guidance on Critical Task Definition etc.
- Handling Collisions & Derailments, involving Explosives, Gasoline & other Dangerous Articles
- Dupont R.I.T. Procedures for various tasks
- Ship to Ship Transfer Guide (Petroleum)
- Guide to Contingency Planning for Marine Terminals
- Guide to Contingency Planning for the Gas Carrier...

- Disabled Tankers - Report of Studies on Ship Drift and Towage
- Critical Incident Stress

Audio Visual Resources

- How to Use the Chlorine Institute Emergency Kit
- Gasoline Spill Emergencies
- Handling L.P. - Gas Leaks & Fires
- PACE Video on Small Boat Safety (Not on List)
- Fighting Petroleum Storage Fires
- Pre-Trip Inspection of Compressed Gas Tank Cars
- GATX Tank Car Manual
- Critical Incident Stress
- BLEVE

MEDIA TRAINING

In support of the Responsible Care program and improving the quality of communications between the Chemical Industry and the public, a level of media training additional to that required by NFPA 472 is recommended.

Suggested Training Material

- Internal media training Course

Training Courses

- Custom Courses offered by various Media Consultants
- Emergency Public Information
- Incident Command Liaison Officer
- Incident Command Information Officer

Printed Materials

- Chlorine Institute Public Information Handbook for Emergency Planning and Community Right to Know
- No Surprises

Audio Visual Resources

- Gleaming in the Public Eye 1/2 VHS Video
- Select American Heat Videos
- Disaster Psychology - Victim Response
- Working With the Media

TELECOMMUNICATIONS

The effective use of communications equipment such as pagers, cellular telephones, UHF and VHF radio equipment satellite links and electronic mail systems is critical to the success of a response. Personnel who will be called upon to use such equipment in the event of an emergency should receive prior training in

the operation of that equipment and certification in the operation of the equipment where appropriate.

Suggested Training Material

Training Courses

- Offered by local equipment suppliers
- Government of Canada - Dept. of Communications various courses
- Emergency Communications Planning Course
- Incident Command - Communications Unit Leader

Printed Materials

- A Guide for the Radio Telephone Operator
- Radio Telephone Operator Handbook 1987
- Pace Bulletin #6
- Material supplied by equipment manufacturers
- Safety and Portable Phones - Bell Canada Brochure
- The Day Before - Chemical Response Planning Through Simulation
- National Incident Radio Support Cache ICS Communication Users Guide

Audio Visual Resources

- Affected Community Decisions
- CANUTEC Video
- CHEMNET, Plan to Use It
- Resolving the Incident

Workbooks

- Emergency Preparedness Crises Management Manual

Computer Programs

- CAMEO II Computer Aided Management of Emergency Operation
- Responder
- McPage
- PC Page
- Emergency Response Information and Coordinator (Eric)

DISCIPLINED APPROACH

Disciplined Approach is a problem solving and decision making model for responders. Training in use of the "Disciplined Approach To Emergency Response" is specified in the response skills training matrix. All response personnel should be aware of the process with team leaders and other personnel who may be called upon to make decisions or provide direction to the team receiving more intensive training.

Disciplined Approach training should be supplemented with Incident Command training as specified in the NFPA 472 Standards.

Suggested Training Material

Training Courses

- Disciplined Approach - Lambton College

Printed Materials

- Disciplined Approach Binder & Wall Charts
- A Guide to the Safe Handling of Hazardous Materials Accidents ASTM STP 825

Audio Visual Resources

- Disciplined Approach video (CCPA - CPPI)
- Use videos of existing incidents to develop case studies

GOVERNMENT ORGANIZATIONS (Local, Provincial, Federal)

An awareness of Government agencies and personnel who may (or must) be involved in response to an incident and contact with the appropriate officials prior to the incident is an integral part of the contingency planning process. A matrix of Government contacts and suggested interfaces should be maintained.

Government awareness should include knowledge of the REET (Regional Environmental Emergency Team) structure for Federal incidents.

Suggested Training Material

Training Courses

- Legislative and Legal Aspects of Hazardous Materials Alberta
- TDG Regulations Course - Lambton 1 day
- Various Canadian Emergency Preparedness College Courses (Explanation: Courses provided opportunity for liaison with CCG transport and other government departments)

Printed Materials

- Annual Report by Government Departments (Organizational Chart)
 - TDG Contact List Brochure
- For Additional information contact Local Government Organizations

- Agency Insight - Alberta
- Emergency Preparedness Digest
- Local Phone Book Government Pages

Videos: CANUTEC

- An Ounce of Prevention
- A Better Way
- Caution - Dangerous Goods -Ontario

Computer Programs

CANUTEC Contact List - Access through CANUTEC

- Dangerous Goods Information System (DIGS) Alberta
- Emergency Response Information and Coordination (Eric) - Alberta.
- Other contacts through Ontario Spills Action Centre

CORPORATE ORGANIZATION

Knowledge of the appropriate parts of your corporate and affiliated organizations which can provide information or additional resources should be included as part of the training.

Suggested Training Material

Training Courses

- In House

Printed Materials

- In House
- Annual Reports
- Backgrounder Sheets
- Policy Statements

Audio Visual Resources

- In House Video's

Workbooks

- Checklists

Computer Programs

- Your Company's Electronic Directories

CRISIS MANAGEMENT

The process of managing a crisis requires an understanding of events which may be expected to take place that are unique to a crisis situation. In addition to providing support to company response

personnel who are managing the incident the crisis management team must consider consequences of the incident including claims, insurance, legal and other business implications and communications issues including government, internal and public communications.

Suggested Training Material

Training Courses

- Marine Emergency Management Course (CCG)
- Niagara Institute
- Incident Command

Printed Materials

- Corporate Tragedies
- Crisis Management - Planning for the Inevitable
- Critical Incident Stress
- The Adaptive Organization; Anticipation and Management of Crisis
- Incident Command System
- The Crisis Kit - Leadership Skills for the Critical Incident

Audio Visual Resources

- Selected American Heat Videos on Crisis Level Events
- Critical Incident Stress
- Disaster Psychology - Victim Response

Conferences

- Disaster Management - Hamilton Ont.

Workbooks

- Emergency Preparedness / Crisis Management Manual (also includes videos)

A two year training cycle has been used by some companies and has been found to be a realistic period over which to review the necessary skills.

- Customized annual training for 1/2 team and external annual training for other 1/2 team
- The following year flip so that at end of 2 years all team members have had at least 1 customized and one external training course.
- At least every second year conduct CAER exercise with local first responders.

ANNUAL TRAINING PLAN

The ongoing maintenance of proficiency for response personnel can only be obtained through periodic refresher training, retesting to determine proficiency or participation in table top or full scale exercises.

It is required that an annual training plan for all personnel involved in emergency response be designed by the management or team leader responsible for the response operation.

Reporting the tested degree to which the plan was completed and training standards met should be part of the regular stewardship process.