UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF:
5WQP-11

EPA Region 5 Records Ctr.
322534

MAR 21 1984

RECEIVED
MAR 23 1984
OHIO ENVIRONMENTAL PROTECTION AGENCY
N. E. D. O.

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ben DiRienzo, Plant Manager
RMI Company-Sodium Plant
P.O. Box 550
Ashtabula, Ohio 44004

Re: Renewal NPDES Permit
RMI-Sodium and Chlorine Plant

Dear Mr. DiRienzo:

As you know, as provided by Section 402 of the Clean Water Act, Region V of the United States Environmental Protection Agency (U.S. EPA) has been evaluating a draft NPDES permit prepared by the Ohio Environmental Protection Agency for the RMI-Sodium and Chlorine Plant. In order to provide for our complete and timely review of this draft permit, we are requesting that you provide certain information and data. The legal authority for this request and your rights to confidential treatment of certain information are described in the attachment.

The following information must be provided within 30 days from receipt of this letter. If the requested information is duplicative of that previously provided to U.S. EPA, please respond accordingly and note the date of transmittal and to whom it was sent.

1. Production Data

Provide NPDES permit production data for each operation regulated by proposed or final Federal effluent guidelines (inorganic chemicals, organic chemicals, and others as appropriate) determined in accordance with the Consolidated Permit Regulations. These data should reflect any recent shutdowns which are permanent and those expected to last for the duration of the next permit. Any new sources which may come on line during the term of the next permit should also be included in this list and identified as such.

2. Wastewater Flows

Provide up-to-date schematic diagrams showing the current and typical volume and describing the nature of process wastewaters, noncontact cooling waters, or other waters which are discharged from the facility.

3. Data for Total Residual Chlorine (TRC)

Provide all TRC data obtained by RMI for calendar years 1981, 1982, and 1983 at the following locations:

a. catalytic destruction treatment system effluent;

b. final effluent from polishing ponds;

c. final effluent from Outfall 001 prior to discharge to storm sewer and Fields Brook; and

d. other in-plant monitoring locations for process wastewaters, noncontact cooling waters, or other waters.

Provide the analytical methods used and the method detection limit for TRC.

Please send a copy of your response directly to Mr. Donald Schregardus at the following address:

U.S. Environmental Protection Agency
Eastern District Office
25089 Center Ridge Road
Westlake, Ohio 44145

Thank you in advance for your cooperation in this matter. If you have any questions, please call Mr. Donald Schregardus at (216) 835-5200 or Mr. John Gierczak at (312) 886-6109.

Sincerely yours,

Dale D. Bryson

for Charles H. Sutfin
Director, Water Division

Attachment

cc: Robert Phelps, OEPA
William Miller, OEPA-NEDO

3IE00012 * AX

EPA I.D. NUMBER (copy from Item 1 of Form 1) 0H0002313

Please print or type in the unshaded areas only.

Form Approved OMB No. 158-R0173

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	41	54	01	80	46	31	Fields Brook via storm sewer

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined *(e.g., for certain mining activities)*, provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Non-contact cooling	4.0 MGD	None		
	Salt from Brine	0.2 MGD	None		
	Chlorine Pumping & Scrubbing	56,000 GPD	Catalytic Decomp. of Cl_2,	2K	2E
			pH adj., settling	1u	
	Brine Plant blowdown	40,000 GPD	Settling	1u	
	Cell parts washing	50,000 GPD	Settling	1u	
	Boiler House blowdown	≈ 1,000 GPD	Settling	1u	
	Sanitary wastewater	30,000 GPD	Activated sludge and clarification	3A	1u

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OFFICIAL USE ONLY *(effluent guidelines sub-categories)*

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

[X] YES *(identify the test(s) and describe their purposes below)* [ ] NO *(go to Section VIII)*

Studies have been performed by the Ohio EPA and contract agents of the U.S. EPA.

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

[X] YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* [ ] NO *(go to Section IX)*

A. NAME	B. ADDRESS	C. TELEPHONE *(area code & no.)*	D. POLLUTANTS ANALYZED *(list)*
Mead Compu Chem	P.O. Box 12652 Research Triangle Park, North Carolina 27709	800-334-8525	Part C, All
Envirolab, Inc.	946 Richmond Road Painesville, Ohio 44077	(216) 352-8318	Part A (BOD, COD, TOC, NH_3, Part B (O & G, SO_4, Al, Ba, Fe, and Mg)

IX. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & no.)*
R. J. Gerardy, Vice President - Engineering	(216) 652-9951
C. SIGNATURE	D. DATE SIGNED

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PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets *(use the same format)* instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: OH0002313

3I E 00012 *A

Form Approved OMB No. 158-R01

OUTFALL

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS *(specify if blank)* a. CONCENTRATION	b. MASS	4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. ANAL.
a. Biochemical Oxygen Demand *(BOD)*	< 5	< 66					1	mg/l	kg/day			
b. Chemical Oxygen Demand *(COD)*	< 10	< 131					1	mg/l	kg/day			
c. Total Organic Carbon *(TOC)*	2.5	33					1	mg/l	kg/day			
d. Total Suspended Solids *(TSS)*	32*	424	19.5*	258	11.4*	151	56	mg/l	kg/day	24.6		
e. Ammonia *(as N)*	0.3	4.0					1	mg/l	kg/day			
f. Flow	VALUE NK		VALUE 6.2		VALUE 3.5		13**	mg/l	kg/day	VALUE		
g. Temperature *(winter)*	VALUE 13		VALUE		VALUE		1	°C		VALUE		
h. Temperature *(summer)*	VALUE 32		VALUE		VALUE		1	°C		VALUE		
i. pH	MINIMUM 7.9	MAXIMUM 8.47	MINIMUM 8.2	MAXIMUM 8.47			59	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. *(if available)*	2. MARK "X" a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. ANAL.
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual	X		0.41	5.4	0.18	2.	0.04		54	mg/l	kg/day			
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate Nitrite (as N)		X												

* Net Value ** Each value is 30 day total volume.

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)	2. MARK "X" a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease	X		<1.0	<13					1	mg/l	kg/day			
i. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO_4) (14808-79-8)	X		39	517					1	mg/l	kg/day			
l. Sulfide (as S)		X												
m. Sulfite (as SO_3) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)	X		0.15	2.0					1	mg/l	kg/day			
p. Barium, Total (7440-39-3)	X		0.19	2.5					1	mg/l	kg/day			
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.38	5.0					1	mg/l	kg/day			
t. Magnesium, Total (7439-95-4)	X		7.5	99					1	mg/l	kg/day			
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

CONTINUE ON PAGE V-3

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER

CONTINUED FROM PAGE 3 OF FORM 2-C

Form Approved OMB No. 158-R0172

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a *(secondary industries, non—process wastewater outfalls, and non—required GC/MS fractions)*, mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table *(all seven pages)* for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			<0.05	< 0.7					1	mg/l	kg/day			
2M. Arsenic, Total (7440-38-2)	X			<0.05	< 0.7					1	mg/l	kg/day			
3M. Beryllium, Total, 7440-41-7)	X			<0.02	< 0.3					1	mg/l	kg/day			
4M. Cadmium, Total (7440-43-9)	X			<0.02	< 0.3					1	mg/l	kg/day			
5M. Chromium, Total (7440-47-3)	X			<0.1	< 1					1	mg/l	kg/day			
6M. Copper, Total (7550-50-8)	X			<0.1	< 1					1	mg/l	kg/day			
7M. Lead, Total (7439-97-6)	X			<0.2	< 3					1	mg/l	kg/day			
8M. Mercury, Total (7439-97-6)	X			0.0019	0.02					1	mg/l	kg/day			
9M. Nickel, Total (7440-02-0)	X			<0.1	< 1					1	mg/l	kg/day			
10M. Selenium, Total (7782-49-2)	X			<0.05	< 0.7					1	mg/l	kg/day			
11M. Silver, Total (7440-22-4)	X			<0.06	< 0.8					1	mg/l	kg/day			
12M. Thallium, Total (7440-28-0)	X			<0.05	< 0.7					1	mg/l	kg/day			
13M. Zinc, Total (7440-66-6)	X			0.03	0.4					1	mg/l	kg/day			
14M. Cyanide, Total (57-12-5)	X			<0.01	< 0.1					1	mg/l	kg/day			
15M. Phenols, Total	X			0.06	0.8					1	mg/l	kg/day			
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<100	<1,300					1	ug/l	g/day			
2V. Acrylonitrile (107-13-1)	X			<100	<1,300					1	ug/l	g/day			
3V. Benzene (71-43-2)	X			< 10	< 130					1	ug/l	g/day			
4V. Bis (Chloromethyl) Ether (542-88-1)	X			< 10	< 130					1	ug/l	g/day			
5V. Bromoform (75-25-2)	X			< 10	< 130					1	ug/l	g/day			
6V. Carbon Tetrachloride (56-23-5)	X			< 10	< 130					1	ug/l	g/day			
7V. Chlorobenzene (108-90-7)	X			< 10	< 130					1	ug/l	g/day			
8V. Chlorodibromomethane (124-48-1)	X			< 10	< 130					1	ug/l	g/day			
9V. Chloroethane (75-00-3)	X			< 10	< 130					1	ug/l	g/day			
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			< 10	< 130					1	ug/l	g/day			
11V. Chloroform (67-66-3)	X			< 10	< 130					1	ug/l	g/day			
12V. Dichlorobromomethane (75-27-4)	X			< 10	< 130					1	ug/l	g/day			
13V. Dichlorodifluoromethane (75-71-8)	X			< 10	< 130					1	ug/l	g/day			
14V. 1,1-Dichloroethane (75-34-3)	X			< 10	< 130					1	ug/l	g/day			
15V. 1,2-Dichloroethane (107-06-2)	X			< 10	< 130					1	ug/l	g/day			
16V. 1,1-Dichloroethylene (75-35-4)	X			< 10	< 130					1	ug/l	g/day			
17V. 1,2-Dichloropropane (78-87-5)	X			< 10	< 130					1	ug/l	g/day			
18V. 1,2-Dichloropropylene (542-75-6)	X			< 10	< 130					1	ug/l	g/day			
19V. Ethylbenzene (100-41-4)	X			< 10	< 130					1	ug/l	g/day			
20V. Methyl Bromide (74-83-9)	X			< 10	< 130					1	ug/l	g/day			
21V. Methyl Chloride (74-87-3)	X			< 10	< 130					1	ug/l	g/day			

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CONTINUED FROM PAGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER

Form Approved OMB No. 158-R0173

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION — VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)	X			11	140						ug/l	g/day			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			< 10	< 130						ug/l	g/day			
24V. Tetrachloroethylene (127-18-4)	X			< 10	< 130						ug/l	g/day			
25V. Toluene (108-88-3)	X			< 10	< 130						ug/l	g/day			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			< 10	< 130						ug/l	g/day			
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 10	< 130						ug/l	g/day			
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 10	< 130						ug/l	g/day			
29V. Trichloroethylene (79-01-6)	X			< 10	< 130						ug/l	g/day			
30V. Trichlorofluoromethane (75-69-4)	X			< 10	< 130						ug/l	g/day			
31V. Vinyl Chloride (75-01-4)	X			< 10	< 130						ug/l	g/day			
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X			< 25	< 330						ug/l	g/day			
2A. 2,4-Dichlorophenol (120-83-2)	X			< 25	< 330						ug/l	g/day			
3A. 2,4-Dimethylphenol (105-67-9)	X			< 25	< 330						ug/l	g/day			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 250	< 3,300						ug/l	g/day			
5A. 2,4-Dinitrophenol (51-28-5)	X			< 250	< 3,300						ug/l	g/day			
6A. 2-Nitrophenol (88-75-5)	X			< 25	< 330						ug/l	g/day			
7A. 4-Nitrophenol (100-02-7)	X			< 25	< 330						ug/l	g/day			
8A. P-Chloro-M-Cresol (59-50-7)	X			< 25	< 330						ug/l	g/day			
9A. Pentachlorophenol (87-86-5)	X			< 25	< 330						ug/l	g/day			
10A. Phenol (108-95-2)	X			< 25	< 330						ug/l	g/day			
11A. 2,4,6-Trichlorophenol (88-06-2)	X			< 25	< 330						ug/l	g/day			

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			< 10	< 130					1	ug/l	g/day			
2B. Acenaphtylene (208-96-8)	X			< 10	< 130					1	ug/l	g/day			
3B. Anthracene (120-12-7)	X			< 10	< 130					1	ug/l	g/day			
4B. Benzidine (92-87-5)	X			< 10	< 130					1	ug/l	g/day			
5B. Benzo *(a)* Anthracene (56-55-3)	X			< 10	< 130					1	ug/l	g/day			
6B. Benzo *(a)* Pyrene (50-32-8)	X			< 10	< 130					1	ug/l	g/day			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			< 10	< 130					1	ug/l	g/day			
8B. Benzo *(ghi)* Perylene (191-24-2)	X			< 10	< 130					1	ug/l	g/day			
9B. Benzo *(k)* Fluoranthene (207-08-9)	X			< 10	< 130					1	ug/l	g/day			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)	X			< 10	< 130					1	ug/l	g/day			
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)	X			< 10	< 130					1	ug/l	g/day			
12B. Bis *(2-Chloro-isopropyl)* Ether (39638-32-9)	X			< 10	< 130					1	ug/l	g/day			
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)	X			< 10	< 130					1	ug/l	g/day			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X			< 10	< 130					1	ug/l	g/day			
15B. Butyl Benzyl Phthalate (85-68-7)	X			< 10	< 130					1	ug/l	g/day			
16B. 2-Chloro-naphthalene (91-58-7)	X			< 10	< 130					1	ug/l	g/day			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X			< 10	< 130					1	ug/l	g/day			
18B. Chrysene (218-01-9)	X			< 10	< 130					1	ug/l	g/day			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)	X			< 10	< 130					1	ug/l	g/day			
20B. 1,2-Dichloro-benzene (95-50-1)	X			< 10	< 130					1	ug/l	g/day			
21B. 1,3-Dichloro-benzene (541-73-1)	X			< 10	< 130					1	ug/l	g/day			

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EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER

Form Approved OMB No. 158-R0173

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TESTING REQUIRED	b. TESTING REQUIRED	c. TESTING REQUIRED	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			< 10	< 130					1	ug/l	g/day			
23B. 3,3'-Dichlorobenzidine (91-94-1)	X			< 10	< 130					1	ug/l	g/day			
24B. Diethyl Phthalate (84-66-2)	X			< 10	< 130					1	ug/l	g/day			
25B. Dimethyl Phthalate (131-11-3)	X			< 10	< 130					1	ug/l	g/day			
26B. Di-N-Butyl Phthalate (84-74-2)	X			< 10	< 130					1	ug/l	g/day			
27B. 2,4-Dinitrotoluene (121-14-2)	X			< 10	< 130					1	ug/l	g/day			
28B. 2,6-Dinitrotoluene (606-20-2)	X			< 10	< 130					1	ug/l	g/day			
29B. Di-N-Octyl Phthalate (117-84-0)	X			< 10	< 130					1	ug/l	g/day			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X			< 10	< 130					1	ug/l	g/day			
31B. Fluoranthene (206-44-0)	X			< 10	< 130					1	ug/l	g/day			
32B. Fluorene (86-73-7)	X			< 10	< 130					1	ug/l	g/day			
33B. Hexachlorobenzene (118-71-1)	X			< 10	< 130					1	ug/l	g/day			
34B. Hexachlorobutadiene (87-68-3)	X			< 10	< 130					1	ug/l	g/day			
35B. Hexachlorocyclopentadiene (77-47-4)	X			< 10	< 130					1	ug/l	g/day			
36B. Hexachloroethane (67-72-1)	X			< 10	< 130					1	ug/l	g/day			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			< 10	< 130					1	ug/l	g/day			
38B. Isophorone (78-59-1)	X			< 10	< 130					1	ug/l	g/day			
39B. Naphthalene (91-20-3)	X			< 10	< 130					1	ug/l	g/day			
40B. Nitrobenzene (98-95-3)	X			< 10	< 130					1	ug/l	g/day			
41B. N-Nitrosodimethylamine (62-75-9)	X			< 10	< 130					1	ug/l	g/day			
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X			< 10	< 130					1	ug/l	g/day			

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CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TEST INCLUDED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS *(continued)*															
43B. N-Nitrosodiphenylamine (86-30-6)	X			<10	<130						ug/l	g/day			
44B. Phenanthrene (85-01-8)	X			<10	<130						ug/l	g/day			
45B. Pyrene (129-00-0)	X			<10	<130						ug/l	g/day			
46B. 1,2,4 - Trichlorobenzene (120-82-1)	X			< 10	< 130						ug/l	g/day			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)	X			< 10	< 130						ug/l	g/day			
2P. α-BHC (319-84-6)	X			< 10	< 130						ug/l	g/day			
3P. β-BHC (319-85-7)	X			< 10	< 130						ug/l	g/day			
4P. γ-BHC (58-89-9)	X			< 10	< 130						ug/l	g/day			
5P. δ-BHC (319-86-8)	X			< 10	< 130						ug/l	g/day			
6P. Chlordane (57-74-9)	X			< 10	< 130						ug/l	g/day			
7P. 4,4'-DDT (50-29-3)	X			< 10	< 130						ug/l	g/day			
8P. 4,4'-DDE (72-55-9)	X			< 10	< 130						ug/l	g/day			
9P. 4,4'-DDD (72-54-8)	X			< 10	< 130						ug/l	g/day			
10P. Dieldrin (60-57-1)	X			< 10	< 130						ug/l	g/day			
11P. α-Endosulfan (115-29-7)	X			< 10	< 130						ug/l	g/day			
12P. β-Endosulfan (115-29-7)	X			< 10	< 130						ug/l	g/day			
13P. Endosulfan Sulfate (1031-07-8)	X			< 10	< 130						ug/l	g/day			
14P. Endrin (72-20-8)	X			< 10	< 130						ug/l	g/day			
15P. Endrin Aldehyde (7421-93-4)	X			< 10	< 130						ug/l	g/day			
16P. Heptachlor (76-44-8)	X			< 10	< 130						ug/l	g/day			

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EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER

Form Approved OMB No. 158-R0173

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)	X			< 10	< 130						ug/l	g/day			
18P. PCB-1242 (53469-21-9)	X			< 10	< 130						ug/l	g/day			
19P. PCB-1254 (11097-69-1)	X			< 10	< 130						ug/l	g/day			
20P. PCB-1221 (11104-28-2)	X			< 10	< 130						ug/l	g/day			
21P. PCB-1232 (11141-16-5)	X			< 10	< 130						ug/l	g/day			
22P. PCB-1248 (12672-29-6)	X			< 10	< 130						ug/l	g/day			
23P. PCB-1260 (11096-82-5)	X			< 10	< 130						ug/l	g/day			
24P. PCB-1016 (12674-11-2)	X			< 10	< 130						ug/l	g/day			
25P. Toxaphene (8001-35-2)	X			< 10	< 130						ug/l	g/day			

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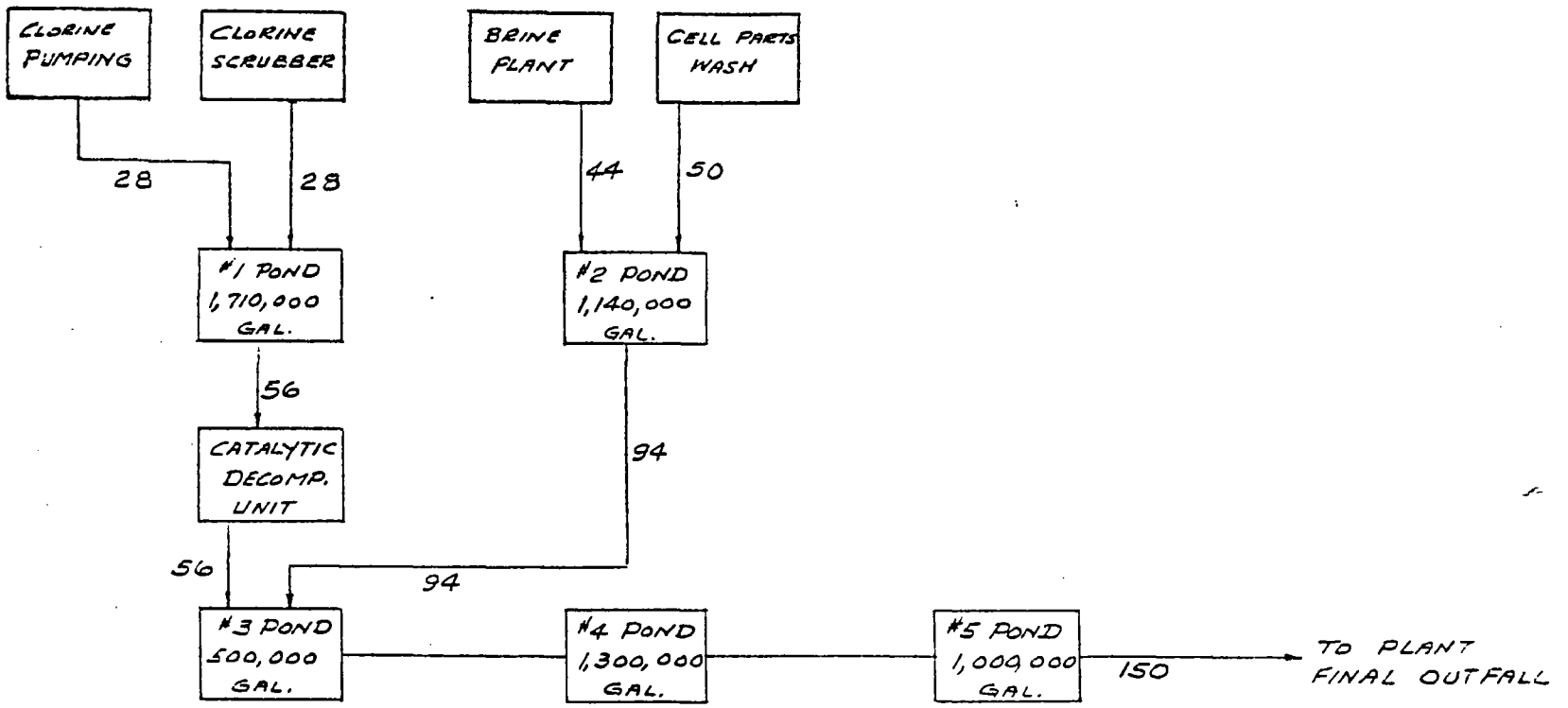

ALL FLOWS X 1000 G.P.D & APPROXIMATE

RMI COMPANY
SODIUM PLANT
ASHTABULA, OHIO

EFFLUENT POND FLOW DIAGRAM

MARCH 1, 1984 - C.H.

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