UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

JUL 13 2007

GENERAL NOTICE LETTER
URGENT LEGAL MATTER
PROMPT REPLY NECESSARY
CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Gregory B. Kenny, President & CEO
General Cable Industries, Inc.
4 Tesseneer Drive
Highland Heights, KY 41076

Re: Diamond Alkali Superfund Site, Newark Bay Study Area
Notice of Potential Liability

Dear Mr. Kenny:

The United States Environmental Protection Agency ("EPA") is charged with responding to the release and/or threatened release of hazardous substances, pollutants, and contaminants into the environment and with enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. §9601 et seq. Based on the results of previous CERCLA remedial investigation activities and other environmental studies performed at the Diamond Alkali Superfund Site ("Site"), which includes the Lower Passaic River Study Area, EPA has decided to further expand the area of study to include Newark Bay and portions of the Hackensack River, the Arthur Kill, and the Kill Van Kull. This expanded area of the study is known as the Newark Bay Study Area. EPA has documented the release or threatened release of hazardous substances, pollutants and contaminants into the Newark Bay Study Area.

By this letter, EPA is notifying General Cable Industries, Inc. ("General Cable") of its potential liability relating to the Newark Bay Study Area of the Site pursuant to Section 107(a) of CERCLA, 42 U.S.C. § 9607(a). Under CERCLA, potentially responsible parties ("PRPs") include current and past owners and operators, as well as persons who arranged for the disposal or treatment of hazardous substances, or the transport of hazardous substances. Based on information that EPA evaluated during the course of its investigation, EPA believes that hazardous substances were released from the General Cable facility located at 236 West First

Street in Bayonne, New Jersey into the Newark Bay Study Area. Hazardous substances, pollutants and contaminants released from the facility into the Newark Bay Study Area present a risk to the environment and the humans who may ingest contaminated fish and shellfish. Therefore, General Cable may be potentially liable for response costs which the government may incur relating to the Newark Bay Study Area. In addition, responsible parties may be required to pay damages for injury to, destruction of, or loss of natural resources, including the cost of assessing such damages.

For the first phase of the Newark Bay Study, the EPA is proceeding with a multi-year study to determine an appropriate remediation plan for the Newark Bay Study Area. The study involves investigation of environmental impacts and pollution sources, as well as evaluation of alternative actions, leading to recommendations of environmental remediation activities.

You are requested to preserve and retain any documents now in your Company's or its agents' possession or control, that relate in any manner to your facility or the Site or to the liability of any person under CERCLA for response actions or response costs at or in connection with the facility or the Site, regardless of any corporate document retention policy to the contrary.

Enclosed is a list of the other PRPs who have received Notice letters. This list represents EPA's findings on the identities of PRPs to date. We are continuing efforts to locate additional PRPs who have released hazardous substances, directly or indirectly, into the Newark Bay Study Area. Exclusion from the list does not constitute a final determination by EPA concerning the liability of any party for the release or threat of release of hazardous substances into the Newark Bay Study Area. Be advised that notice of your potential liability at the Site may be forwarded to all parties on this list as well as to the Natural Resource Trustees.

We request that you participate in the EPA-approved activities underway as part of the Newark Bay Study. You, along with other such parties, will be expected to both participate in and fund this CERCLA study. For those who choose not to cooperate, EPA may apply the CERCLA enforcement process, pursuant to Sections 106(a) and 107(a) of CERCLA, 42 U.S.C. § 9606(a) and § 9607(a) and other laws.

In February 2004, EPA signed an Administrative Order on Consent ("AOC") with Occidental Chemical Corporation ("OCC") to conduct a multi-year remedial investigation/feasibility study in Newark Bay pursuant to CERCLA. This study is being conducted by Tierra Solutions, Inc. with EPA oversight. Tierra Solutions, Inc. is an affiliate of the company from which OCC purchased Diamond Shamrock Chemicals (a former owner of a chemical plant at 80 Lister Avenue in Newark, New Jersey), and is performing the work pursuant to that company's indemnity obligation to OCC. Be advised that notice of your potential liability is being forwarded to OCC by EPA.

We strongly encourage you to contact OCC to discuss your participation. You may do so by

contacting;

Carol E. Dinkins, Esq.
Vinson & Elkins LLP
First City Tower
1001 Fannin Street, Suite 2300
Houston, TX 77002-6760
Tel. (713) 758-2528
Fax (713) 615-5311
cdinkins@velaw.com

Written notification should be provided to EPA documenting your intention to participate with OCC and settle with EPA no later than 30 calendar days from your receipt of this letter. The result of any agreement between EPA and your company will need to be memorialized in an AOC. Your written notification should be mailed to:

Amelia M. Wagner, Esq.
Assistant Regional Counsel
U.S. Environmental Protection Agency
290 Broadway, 17th Floor
New York, NY 10007-1866

Pursuant to CERCLA Section 113(k), EPA has established an administrative record that contains documents that will form the basis of EPA's decision on the selection of a response action for the Site. The administrative record files along with the Site file are located at EPA's Region 2 office located at 290 Broadway, New York, NY on the 18th floor. You may call the Records Center at (212) 637-4308 to make an appointment to view the administrative record and/or the Site file for the Diamond Alkali Site, Newark Bay.

Inquiries by counsel or inquiries of a legal nature should be directed to Ms. Wagner at (212) 637-3141. Questions of a technical nature should be directed to Elizabeth Butler, Remedial Project Manager, at (212) 637-4396.

Sincerely yours,

Ray Basso, Strategic Integration Manager
Emergency and Remedial Response Division

Enclosure

COMPANIES ISSUED GENERAL NOTICE LETTERS BY EPA FOR THE NEWARK BAY STUDY AREA OF THE DIAMOND ALKALI SUPERFUND SITE

Mr. Steven Fiverson, President
Amcol Realty Co.
Colt Corporation
Columbia Terminals, Inc.
49 Central Avenue
South Kearny, NJ 07032

Mr. Steven Fiverson, President
Amcol Realty Co.
Colt Corporation
Columbia Terminals, Inc.
P.O. Box 2726
Palm Beach, FL 33480

Mr. Barry W. Perry, Chairman & CEO
BASF Catalysts LLC
101 Wood Avenue
Iselin, New Jersey 08830

Dr. Attila Molnar, President & CEO
Bayer Corporation
100 Bayer Road
Pittsburgh, PA 15205-9741

Chevron Texaco Corporation
Law Department
1111 Bagby Street, Suite 4012
Houston, TX 77002

Bernard Reilly, Esq.
Legal Department
E.I. duPont de Nemours & Company
1007 Market Street
Wilmington, DE 19898

Mr. Gregory B. Kenny, President & CEO
General Cable Industries, Inc.
4 Tesseneer Drive
Highland Heights, KY 41076

David M. Cote, Chief Executive Officer
Honeywell International, Inc.
101 Columbia Road
Morristown, New Jersey 07962

COMPANIES ISSUED GENERAL NOTICE LETTERS BY EPA FOR THE NEWARK BAY STUDY AREA OF THE DIAMOND ALKALI SUPERFUND SITE

Chief Executive Officer
ISP Environmental Services, Inc.
1361 Alps Road, Bldg. 8
Wayne, NJ 07470-3700

OENJ Cherokee Corporation
c/o Cherokee Investment Partners, LLC
702 Oberlin Road
Suite 150
Raleigh, NC 27605

President
Prentiss, Inc.
C.B. 2000
Floral Park, New York 11001

Mr. Ralph Izzo, President
Public Service Electric & Gas
80 Park Plaza
Newark, New Jersey 07102

Daryl D. Smith, President
Troy Chemical Corporation
8 Vreeland Road
P.O. Box 955
Florham Park, New Jersey 07932

GEB:ama
70 3603

FILED
APR 23 197
At 8:30
ANGELO W. LOCASC
Clerk

UNITED STATES DISTRICT COURT
DISTRICT OF NEW JERSEY

UNITED STATES OF AMERICA :

v. :

GENERAL CABLE CORP. :

Criminal No. 16-71

Title 33, U.S.C., §441

The United States Attorney for the District of New Jersey charges:

COUNT I

That on or about the 24th day of October, 1969, in the State and District of New Jersey,

GENERAL CABLE CORP.

did unlawfully place, discharge and deposit into the adjacent and tributary waters of the Harbor of New York, within the limits prescribed by the supervisor of the Harbor, to wit, into the tidal waters of the Kill Van Kull, in the vicinity of Bayonne, New Jersey, from the shore, wharf and premises owned, operated and maintained by it, a quantity of oil and grease refuse.

In violation of Title 33, U.S.C., §441.

COUNT II

That on or about the 14th day of January, 1970, in the State and District of New Jersey,

GENERAL CABLE CORP.

did unlawfully place, discharge and deposit into the adjacent and tributary waters of the Harbor of New York, within the limits prescribed by the supervisor of the Harbor, to wit,

BBD000001

COUNT V

That on or about the 25th day of August, 1970, in the State and District of New Jersey,

GENERAL CABLE CORP.

did unlawfully place, discharge and deposit into the adjacent and tributary waters of the Harbor of New York, within the limits prescribed by the supervisor of the Harbor, to wit, into the tidal waters of the Kill Van Kull in the vicinity of Bayonne, New Jersey, from the shore, wharf and premises owned, operated and maintained by it, a quantity of oil and grease refuse.

In violation of Title 33, U.S.C., §441.

HERBERT J. STERN
UNITED STATES ATTORNEY

No.....

United States District Court

DISTRICT OF NEW JERSEY

THE UNITED STATES OF AMERICA

vs.

GENERAL CABLE CORP.

INFORMATION

HERBERT J. STERN

U. S. Attorney *Newark, New Jersey*

BY: GARRETT E. BROWN, JR.
Assistant U. S. Attorney

FPI—SS—9-28-70—8M—6150

Form No. USA-48-CR7
(Ed. 10-18-63)

U.S.

140 F

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Corporation Trust Company, Registered Agent
for General Cable Corporation
15 Exchange Place
Jersey City, New Jersey 07302

Gentlemen:

There is enclosed for service upon you, as Registered Agent for General Cable Corporation, an Order, in duplicate, made by this Department pursuant to the provisions of R.S. 58:12-2.

Kindly acknowledge receipt of this Order by affixing your signature and date of acceptance on the back of the original and return it to this Department in the enclosed envelope. The duplicate may be retained by you.

Very truly yours,

Ernest R. Segesser, Chief Engineer
Water Pollution Control Program

6E22:06
Encls.

c.c. Interstate Sanitation Commission
Division of Fish and Game
Air Pollution Control
Metropolitan State Health District
City of Bayonne

BBC000066

O R D E R

WHEREAS, the State Department of Health of the State of New Jersey has found, through investigations made by its representatives, that General Cable Corporation, in the City of Bayonne, County of Hudson and State of New Jersey, is discharging industrial waste and other polluting matter into the Kill Van Kull, being waters of this State, thereby causing or threatening injury to the inhabitants of this State either in their health, comfort or property, in violation of R.S. 58:12-2; and

WHEREAS, the State Department of Health of the State of New Jersey has found, through investigations made by its representatives, that General Cable Corporation, in the City of Bayonne, County of Hudson and State of New Jersey, is discharging harmful, deleterious and polluting matter from a sewer or drain into the Kill Van Kull, being waters of this State, without approval of the State Department of Health as required by R.S. 58:12-3; and

WHEREAS, the State Department of Health of the State of New Jersey, in consideration of the aforesaid findings, is of the opinion that in order for the wastewater to be properly, adequately and sufficiently treated and/or otherwise disposed of, wastewater treatment and/or disposal facilities must be provided in a manner approved by the State Department of Health of the State of New Jersey; therefore

NOTICE IS HEREBY GIVEN by the State Department of Health of the State of New Jersey, pursuant to the applicable provisions of R.S. 58:12-2 to General Cable Corporation, in the City of Bayonne, County of Hudson and State of New Jersey, requiring that the company, on or before March 31, 1970, install and provide wastewater treatment and/or disposal facilities in order that the company's wastewaters be properly, adequately and sufficiently treated and/or otherwise be disposed of in a manner approved by the State Department of Health; and

NOTICE IS FURTHER GIVEN by the State Department of Health of the State of New Jersey, that the company cease and desist discharging its industrial waste or other polluting matter from any sewer or drain into the waters of the Kill Van Kull, being waters of this State, by March 31, 1970 and thereafter.

STATE DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY

Richard J. Sullivan, Director
Division of Clean Air and Water

Dated: December 16, 1969

Service of an Order, of which the within is a copy, is herewith admitted this _____ day of _____ A.D. 1969

_____

_____

December 15, 1969.

MEMORANDUM:

To: Dr. Alan I. Mytelka
From: Fred W. Ulrich

RE: GENERAL CABLE CORP.
BAYONNE, N.J.
Industrial Sampling on 12/10/69.

Changes in sampling procedure due to tide level covering the outfalls.

POINT 1 - 24" Drain - Samples were taken at 15 minute intervals from 1230 to 1430. MPN's were set at 1230 and 1415. The outfall was above the tide during the entire sampling period. TOC's were made up of half-hour composites. Samples were light green in color during the entire sampling period.

POINT 2 - 18" Sewer (East of 24" Drain) - Samples were taken at 15 minute intervals from 1330 to 1430. MPN's were set at 1415. The outfall was completely above the tide level from 1400 to 1430. Solids and oil were visible during the entire sampling period. TOC's were made up from half hour composites. The color was white at first and turned a light brown later in the sampling period.

POINT 3 - 18" Sewer (West of 24" Drain) - The point indicated on the diagram was not visible.

OTHER SEWERS - 2 other visible outfalls had no flow during the sampling period. One is located near the East property line and shore line and the other is at the fire pump house and shore line.

/gig.

INTERSTATE SANITATION COMMISSION

B.O.D. LABORATORY RECORD

Plant GENERAL CABLE CORP Investigation No. 7665

Date Incubated 12-11-69 Date of Analyses 12-16-69 By U E.

5 Day B.O.D. at 20°C.

SEED

	B.O.D. Bottle Number	Sample	Samp. Vol. ml.	D.O. (mg/l) Initial B_1	Incub. B_2	B_1-B_2	Avg. (B_1-B_2)
1	301	Seed	10	7.20	4.18	3.02	3.50
2	302	Seed	10	7.28	3.30	3.98	

SAMPLE

Point 1 - Effluent Sample - 24" Drain

Dechlorination Required

Yes No

Inf. ☐ ☑

Eff. ☐ ☑

	B.O.D. Bottle Number	Sample	Samp. Vol. ml.	D.O. (mg/l) Initial D_1	Incub. D_2	X= (D_1-D_2)	f*	Y= Avg. $f(B_1-B_2)$	X-Y	B.O.D. mg/l
3	303	Eff.	100	8.40	3.58	4.82	0.00	0.21	4.61	14
4	304	"	50	8.12	5.20	2.92	0.10	0.26	2.66	16
5	305	"	25	8.02	6.20	1.82	0.25	0.29	1.53	18
6	306	"	10	7.85	6.90	0.95	0.70	0.30	0.65	20
7	307	Eff.	5	7.86	6.90	0.96	0.68	0.31	0.65	39
8	308	"	3	7.68	7.00	0.68	0.41	0.31	0.37	37
9	309	"	2	7.74	6.98	0.76	0.14	0.31	0.45	68
		"		X						

Most probable

*The dilution water contains 3 ml of seed per liter.

( ) Day 20°C. B.O.D., mg/l x (R) = 5-Day 20° C. B.O.D., mg/l

Avg. Inf. _____ x( ) = Avg. Inf. _____

Avg. Eff. _____ x( ) = Avg. Eff. _____

Removal _____ mg/l _____ %

(Revised 10/7/69) rym

INTERSTATE SANITATION COMMISSION

B.O.D. LABORATORY RECORD

Plant GENERAL CABLE CORP Investigation No. 7665

Date Incubated 12-11-69 Date of Analyses 12-16-69 By V.E.

5 Day B.O.D. at 20°C.

SEED

	B.O.D. Bottle Number	Sample	Samp. Vol. ml.	D.O. (mg/l) Initial B_1	Incub. B_2	B_1-B_2	Avg. (B_1-B_2)
	301	Seed	10	7.20	4.18	3.02	3.50
2	302	Seed	10	7.28	3.30	3.98	

Point 2 - Effluent 18" Drain

SAMPLE

Dechlorination Required

	Yes	No
Inf.	☐	☑
Eff.	☐	☑

	B.O.D. Bottle Number	Sample	Samp. Vol. ml.	D.O. (mg/l) Initial D_1	Incub. D_2	$X=(D_1-D_2)$	f*	Y= Avg. $f(B_1-B_2)$	X-Y	B.O.D. mg/l	
10	310	Eff.	100	7.90	3.62	4.28	0.060	0.21	4.07	12	most Valid
11	311	"	50	7.80	5.30	2.50	0.058	0.26	2.24	13	
12	312	"	25	7.85	6.40	1.45	0.025	0.29	1.16	14	
13	313	"	10	7.76	6.90	0.86	0.070	0.30	0.56	17	
14	315	Eff.	5	7.73	7.20	0.53	0.058	0.31	0.22	13	
15	316	"	3	7.82	7.22	0.60	0.041	0.31	0.29	29	
16	317	"	2	7.70	7.34	0.36	0.044	0.31	0.05	8	
		"									

*The dilution water contains 3 ml of seed per liter.

( ) Day 20°C. B.O.D., mg/l x (R) = 5-Day 20° C. B.O.D., mg/l

Avg. Inf. _____ x( ) = Avg. Inf. _____

Avg. Eff. _____ x( ) = Avg. Eff. _____

Removal _____ mg/l _____ %

(Revised 10/7/69) rym

INTERSTATE SANITATION COMMISSION

10 COLUMBUS CIRCLE • NEW YORK 19, N. Y.

SOLIDS LABORATORY RECORD

PLANT GENERAL CABLE CORP BY U.S. INVESTIGATION NO. 7665

DATE VISITED 12-10-69 DATE ANALYZED 12-11-69

INFLUENT

TOTAL SUSPENDED SOLIDS

VOLUME				VOLUME			
NUMBER				NUMBER			
103° C.				103° C.			
600° C.				600° C.			
I_o				I_o			
TSS mg/l				NSS mg/l			
TVSS mg/l				VNSS mg/l			

NON-SETTLEABLE SOLIDS

AVG. TSS _____ AVG. TVSS _____ AVG. NSS _____ AVG. VNSS _____

EFFLUENT

POINT I - 24" EFFLUENT LINE

TOTAL SUSPENDED SOLIDS

NON-SETTLEABLE SOLIDS

VOLUME	50	50		VOLUME	100	100	
NUMBER	16	8		NUMBER	25	15	
103° C.	184890	170586		103° C.	183722	167135	
600° C.	184880	170575		600° C.	183702	167110	
I_o	184870	170567		I_o	183691	167100	
TSS mg/l	.0040	.0058		NSS mg/l	.0031	.0033	
TVSS mg/l	.0024	.0044		VNSS mg/l	.0020	.0023	

AVG. TSS 39.0 AVG. TVSS 21.0 AVG. NSS 32.0 AVG. VNSS 21.5

CALCULATIONS

TOTAL S.S. CALC. S.S.

INF. _____ mg/l INF. _____ mg/l
EFF. 39.0 mg/l EFF. 7.0 mg/l
REM. _____ mg/l REM. _____ mg/l
_____ % _____ %

TOTAL V.S.S. CALC. V.S.S.

INF. _____ mg/l INF. _____ mg/l
EFF. _____ mg/l EFF. _____ mg/l
REM. _____ mg/l REM. _____ mg/l
_____ % _____ %

11-5-69: rym jm

% VOLATILES PRESENT

INFLUENT

TOTAL S.S. CALC. S.S.

_____ x 100= ___ % _____ x100= ___

EFFLUENT

TOTAL S.S. CALC. S.S.

$\frac{21.0}{39.0}$ x100=54 % _____ x 100= ___ %

INTERSTATE SANITATION COMMISSION

10 COLUMBUS CIRCLE • NEW YORK 19, N. Y.

SOLIDS LABORATORY RECORD

PLANT General Cable Corp BY VE INVESTIGATION NO. 7665

DATE VISITED 12-10-69 DATE ANALYZED 12-11-69

INFLUENT

TOTAL SUSPENDED SOLIDS

VOLUME				VOLUME			
NUMBER				NUMBER			
103° C.				103° C.			
600° C.				600° C.			
I_o				I_o			
TSS mg/l				NSS mg/l			
TVSS mg/l				VNSS mg/l			

NON-SETTLEABLE SOLIDS

AVG. TSS _____ AVG. TVSS _____ AVG. NSS _____ AVG. VNSS _____

EFFLUENT

Point II - 18" Storm Drain (East of 24" Line)

TOTAL SUSPENDED SOLIDS

VOLUME	50	50		VOLUME	100	100	
NUMBER	20	30		NUMBER	2	26	
103° C.	19.2040	8.2751		103° C.	17.7918	17.9672	
600° C.	19.2035	8.2725		600° C.	17.7909	17.9665	
I_o	19.2022	8.2712		I_o	17.7887	17.9640	
TSS mg/l	.0036	.0038		NSS mg/l	.0051	.0032	
TVSS mg/l	.0010	.0012		VNSS mg/l	.0009	.0009	

NON-SETTLEABLE SOLIDS

AVG. TSS 37.0 AVG. TVSS 11.0 AVG. NSS 31.5 AVG. VNSS 9.0

CALCULATIONS

TOTAL S.S.

INF. _____ mg/l
EFF. 37.0 mg/l
REM. _____ mg/l
_____ %

CALC. S.S.

INF. _____ mg/l
EFF. 5.5 mg/l
REM. _____ mg/l
_____ %

TOTAL V S.S.

INF. _____ mg/l
EFF. _____ mg/l
REM. _____ mg/l
_____ %

CALC. V.S.S.

INF. _____ mg/l
EFF. _____ mg/l
REM. _____ mg/l
_____ %

11-5-69: rym jm

% VOLATILES PRESENT

INFLUENT

TOTAL S.S. _____ x 100= ___ %

CALC. S.S. _____ x100= ___

EFFLUENT

TOTAL S.S. 110 / 310 x100= 30 %

CALC. S.S. _____ x 100= ___ %

INTERSTATE SANITATION COMMISSION

COLIFROM LABORATORY RECORD

Plant GENERAL Cable Corp Investigation No. 765

Date Visited 12/10/69 Examined By B.G.

POINT I = 24" EFFLUENT LINE

Residual Chlorine

~~9 AM~~ _____ ppm 12:30 PM _____ ppm

~~11 AM~~ _____ ppm 2:30 PM _____ ppm

Chlorination not required: _____

Chlorinator not operating _____

SAMPLE		DILUTIONS ml 1.0	0.1	0.01	0.001
~~9 AM~~ Presumptive	24 hrs.		+ + + + +	+ + + + +	+ + + + +
	48 hrs.				
Confirmed	24 hrs.		+ + + + +	+ + + + +	+ + + + +
	48 hrs.				
2:30 PM					
~~11 AM~~ Preseumpive	24 hrs.		+ + + + +	+ + + + +	+ + + + +
	48 hrs.				
Confirmed	24 hrs.		+ + + + +	+ + + + +	+ + + + +
	48 hrs.				
~~1 PM~~ Presumptive	24 hrs.				
	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				
~~2 PM~~ Presumptive	24 hrs.				
	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				

SAMPLE	Coliform Count Confirmed Test 1.0	0.1	0.01	0.001	MPN per ml
12:30 ~~9 AM~~ PM	X	5 5	5 5	5 5	2400+
2:30 ~~11 AM~~ PM	X	5 5	5 5	5 5	2400+
1 PM					
2 PM					

(Arithmetic Average) MPN per ml: _____

% over 1 per ml: _____

prt 3/4/69

INTERSTATE SANITATION COMMISSION

COLIFROM LABORATORY RECORD

Plant General Cable Corp. Investigation No. 1665

Date Visited 12/10/69 Examined By B.G.

Point II = 18" Stormdrain (East of 24" Line)

Residual Chlorine

~~9 AM~~ 2:30PM _____ ppm ~~1 PM~~ _____ ppm Chlorination not required: _____

~~11 AM~~ _____ ppm ~~2 PM~~ _____ ppm Chlorinator not operating _____

SAMPLE		DILUTIONS ml 1.0	0.1	0.01	0.001
~~9 AM~~ Presumptive	24 hrs.		+ + + + +	+ + + + +	+ + + + +
2:30 PM	48 hrs.				
Confirmed	24 hrs.		+ + + + +	+ + + + +	+ + + + +
	48 hrs.				
~~11~~ AM Preseumbive	24 hrs.				
~~2 PM~~	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				
~~1 PM~~ Presumptive	24 hrs.				
	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				
~~2 PM~~ Presumptive	24 hrs.				
	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				

SAMPLE	Coliform Count Confirmed Test 1.0	0.1	0.01	0.001	MPN per ml
2:30PM ~~9 AM~~	X	5 5	5 5	5 5	2400+
11 AM					
1 PM					
2 PM					

(Arithmetic Average) MPN per ml: _____

% over 1 per ml: _____

prt 3/4/69

INTERSTATE SANITATION COMMISSION

COLIFROM LABORATORY RECORD

Plant General Cable Corp Investigation No. 765

Date Visited 12/10/69 Examined By B.G.

Point I = 24" Effluent Line

Residual Chlorine

~~9 AM~~ _____ ppm 12:30 PM _____ ppm Chlorination not required: ____

~~11 AM~~ _____ ppm 2:30 PM _____ ppm Chlorinator not operating ____

SAMPLE		DILUTIONS ml 1.0	0.1	0.01	0.001
~~9 AM~~ Presumptive	24 hrs.				
	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				
2:30 PM					
~~11 AM~~ Presumptive	24 hrs.				
	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				
~~1 PM~~ Presumptive	24 hrs.				
	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				
~~2 PM~~ Presumptive	24 hrs.				
	48 hrs.				
Confirmed	24 hrs.				
	48 hrs.				

SAMPLE	Coliform Count Confirmed Test 1.0	0.1	0.01	0.001	MPN per ml
12:30 ~~9 AM~~ PM	X	5/5	5/5	5/5	2400+
2:30 ~~11 AM~~ PM	X	5/5	5/5	5/5	2400+
1 PM					
2 PM					

(Arithmetic Average) MPN per ml: ____

% over 1 per ml: ____

prt 3/4/69

INTERSTATE SANITATION COMMISSION

C.O.D. LABORATORY RECORD

Plant General Cable Co. Investigation No. 7665

Date Collected 12-10-69 Date of Analyses 12-11-69

By: JM

Refluxing					Titration			C. O. L.
Flask No.	Sample	Sample Vol. ml.	Vol. Dist. H_2O ml.	Vol. of 0.250N $K_2Cr_2O_7$ ml.	Vol of Fe Comp. ml. vs. Samp. a=blank b=samp.	mgs. of Cl of Samp.	Correct. Factor of Cl (mg/l Clx0.23)	mg./l C.O.D. = $\frac{(a-b)c \times 8000}{e}$ d
—	—	e	—	—	—	—	d	
1	Blank	None	50.00	25.00	25.10			
3	Pl. 2 12"	25	25	25.00	22.82	6,700		178.1
4	Pl. 2 12"	25	25	25.00	23.20	"		148.4 183.3
				25.00				
				25.00				

Ag_2SO_4 Used Yes X No ___

(in the H_2SO_4)

STANDARDIZATION of $Fe(NH_4)_2(SO_4)_2 \cdot 6\ H_2O$ C

Flask	ml. of 0.250N $K_2Cr_2O_7$	$Fe(NH_4)_2(SO_4)_2 \cdot 6H_2O$	Average	Normality of $Fe(NH_4)_2(SO_4)_2 \cdot 6H_2O$
A	25.00	25.64	25.60	6.25/Average = 0.2441 N
B	25.00	25.56		

91063:k

INTERSTATE SANITATION COMMISSION

C.O.D. LABORATORY RECORD

Plant General Cable Co.

Investigation No. 7665

Date Collected 12-10-69

Date of Analyses 12-11-69

By: JM

Refluxing					Titration			C. O. D.
Flask No.	Sample	Sample Vol. ml.	Vol. Dist. H_2O ml.	Vol. of 0.250N $K_2Cr_2O_7$ ml.	Vol of Fe Comp. ml. vs. Samp. a=blank b=samp.	mgs. of Cl of Samp.	Correct. Factor of Cl (mg/l Clx0.23)	mg./l C.O.D. = $\frac{(a-b)c \times 8000}{e}$ d
—	—	e	—	—	—	—	d	
1	Blank	None	50.00	25.00	25.0			
1	pt. 1 24"	25	25	25.00	22.60	4,380		195.3 } 201.6
2	pt. 1 24"	25	25	25.00	22.44			207.8 }
				25.00				
				25.00				

Ag_2SO_4 Used Yes X No —

(in the H_2SO_4)

STANDARDIZATION of $Fe(NH_4)_2(SO_4)_2 \cdot 6\ H_2O$

C

Flask	ml. of 0.250N $K_2Cr_2O_7$	$Fe(NH_4)_2(SO_4)_2 \cdot 6H_2O$	Average	Normality of $Fe(NH_4)_2(SO_4)_2 \cdot 6H_2O$
A	25.00	25.64	25.60	6.25/Average = 0. 2444 N
B	25.00	25.56		

91063:k

COMPLIANCE MONITORING REPORT

Pirelli Cable Corp
236 West First Street
Bayonne, New Jersey 07002

NPDES Permit NO.: NJ 000 2968

Date of Preliminary Inspection:
December 8, 1977

Date of Effluent Survey:
January 31, 1979

Participating Personnel:

Sr. Sanitary Engineer - Michael P. Nosenzo
Sr. Sanitarian - Henry W. Anusiak
Sanitarian - William McCormack
Sanitarian - Glenn S. Sandor

REPORT PREPARED UNDER THE DIRECTION OF:

Alan I. Mytelka, Ph.D.
Assistant Director &
Assistant Chief Engineer
Interstate Sanitation Commission

April 1979

SUMMARY

Objective

This investigation was conducted to determine whether the permittee is in compliance with the requirements and limitations of NPDES Permit No. NJ 000 2986 issued June 30, 1978.

This report relates to compliance with the relevant NPDES permit terms. It does not relate to compliance or lack thereof with any other water quality limitation, standards, or requirements which may be applicable.

Findings and Conclusions

Based upon a December 8, 1977, inspection of the plant and records,and a February 16, 1978 effluent survey, the Pirelli Cable Corporation is not in compliance with all terms and conditions of the permit. (See Discussion).

Recommendations

It is recommended that appropriate action be taken to assure compliance with the permit.

1. FACILITY

1. Products

   Electric power cable.

2. Current Production Rate

   50% of plant's capacity.

3. Number of Employees

   175

4. Current Production Schedule

   The plant is operated 24 hours per day, 235 days per year.

5. Age of Facility

   75 years.

6. Discharge and Receiving Waterway

   The plant discharges approximately 0.125 MGD wastewater via one 24" outfall to the Kill Van Kull. 0.113 MGD were discharged during the sampling survey.

IV. WASTE DISCHARGE AND TREATMENT

1. Discharge

   All process, cooling, boiler, and storm wastewater is discharged via one 24" outfall to the Kill Van Kull.

2. Discharge flow is monitored and recorded using a V-notch weir and a strip chart recorder with totalizer. The recorder and totalizer were out of calibration during the sampling period.

   A flow proportioning sampler is used to monitor the waste stream. Samples thus collected are analyzed monthly by U.S. Testing Laboratories for the permitted parameters (COD, TSS, O&G, Cu, Ni, Pb, & Cr).

3. Waste Treatment

   A wastewater monitor station has been constructed to permit sampling of all plant waste and storm water to assure non-contamination from tidal waters. An emergency impoundment device has been constructed in the system to prevent discharge of oil in the event of a spill. There is an emergency (manual) bypass line from the bottom of the collection tank. This valve is opened only when plant property or life is threatened usually by flooding due to heavy rain.

V. SURVEY PROCEDURES

1. Method of Notification

A letter was sent to Mr. Clement Reck, Plant Manager, General Cable Corp., on November 15, 1977.

2. Preliminary Inspection

A preliminary inspection of the plant and records was made on December 8, 1977 with the following personnel attending:

Mr. John Fredricks, Plant Engineer
General Cable Corporation

Mr. Michael P. Nosenzo, Sr. Sanitary Engineer
Interstate Sanitation Commission

3. Effluent Survey

An unannounced 24-hour effluent survey was conducted on January 31, & February 1, 1979 by the Interstate Sanitation Commission with the following personnel in attendance:

Michael P. Nosenzo, Sr. Sanitary Engineer
Henry Anusiak, Sr. Sanitarian
William McCormack, Sanitarian
Glenn Sandor, Sanitarian

The effluent survey was conducted for 24 hours from 0930 hours 1/31/79 to 0830 hours 2/1/79. The wastewater was sampled as it came over the flow measurement weir at the entrance to the outfall pipe.

Samples were collected manually and composited hourly. Four 6-hour composite samples were collected for COD and TSS, and two 12-hour composites were collected for metals. Four 1 liter grab samples were taken for oil & grease. All samples were preserved as required by the Federal Register analytical procedures.

Chain of custody and approved Federal Register analytical procedures were followed.

VI. DISCUSSION

The chemical oxygen demand (COD) was over the permitted values, (both loading and concentration) during the sampling survey.

II. Process

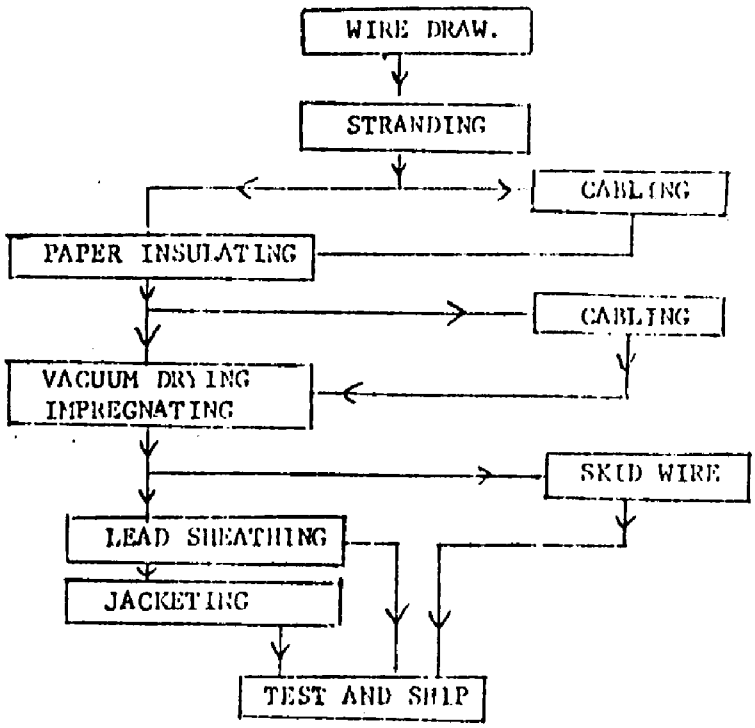
1. Raw Materials Used

Copper, paper, lead, oil.

2. Brief Description of the Major Processes

Draw copper rod, strand, paper wrap insulation, cable, dry and impregnate with oil, lead sheath, jacket.

3. Process Flow Diagram



III. Water Uses and Quantities

1. Raw Water Source

All water used in the plant is purchased from the municipal water supply according to the following summary:

USE	GPD (Average)
process	58,000
cooling	10,000
boiler	34,000
other	32,000
total	134,000

2. Recording and Analysis of Raw Water

The city water flow is measured by a totalizing type "city water meter", but flow is not recorded nor is any analysis performed.

7/29/80 12:05 PM

PIRELLI CABLE CORP.
236 West 1st Street
Bayonne, N.J.

Because of the heavy reain fall we are forced to bypass a waste water treatment facility in order to prevent serious property damage. We are sampling the discharged water during this bypass condition.

BBC000001

To

Date Time

WHILE YOU WERE OUT

M. Pirelli Cable

of

Phone (201) 339-4500

Area Code Number Extension

TELEPHONED	✓	PLEASE CALL	
CALLED TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		URGENT	

RETURNED YOUR CALL

Message because of the heavy rainfall, they are forced to bypass their water facilities. They are sampling their water now.

Operator