



Serfoer Waters.

SURFACE WATER BRANCH

OFFICE

ONTARIO WATER
RESOURCES COMMISSION

INDEX

INDUSTRIAL WASTE DATA

FOR

INDUSTRIES

IN

WELLAND COUNTY

1959

Prepared as an aid to the Welland County Survey

for

Office Reference Purposes

Note: Some Industries withoutwaste problems are omitted

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TD 897.8 Index industrial waste data for industries in Welland county.

.**W58** 80709 **153 1959** 

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INDUSTRYAme	rican Can Co. of Ca	n. Itd.	COUNTY We	lland
ADDRESS169	5 Lewis St.,		WATERSHED	Viagara R.
PERSONNEL *M	gara Falls.  R. E. Burke, Plan	t Accountant.		
	J. H. W. Pates, F			
PLANT OPERATIO	N Hrs. per	day	Days per week	Plant Employees
Aver. Max. Seasonal	8 x 2 S	hifts		120 (plant & office) (20 on night shift)
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
	City			JV4.1
	Mar. 3M = 702,000			
	Steel, castiron.			
	machines.			maintain old

Sanitary	To City Sewers (3.600	G/D est. for 30 G/per	SOR
	Quantity	How Estimated	Date Sampled
Cooling		жены до должения, дурова столиваней не консербб денествення	
Industrial			entransport of the transport of the second contract of the second
	Solids from t	rap land dumped.	
			at a second
DESCRIPTION OF SEW	ÆRS Network of se	wers in plant to drain	entive area.
	Discharged to	city sewer.	
	HISSOCHINESI INSIN FIRM HOMEN HINNING PROTECTION OF THE STANDARD HOME STANDARD FREE FREE TO CONTROL		
48000000000000000000000000000000000000			
			time the place course a resident of the best of the course
			оничения ин местерин и в посем нарим этом пиломеня и печен посема (до нерен нарим 18 год.
American malignature and another property of the contract of t			

REMARKS: Small spray booth for washing old machines brought in for servicing.

Used only 60% of the time that the plant operates. The floor drain for this booth discharges to a 4' high 3' diam. baffled tank for solids and grease removal. The overflow goes to city sewers.

Survey by; E. T. Ciebien.

Steam, caustic and soda ash are used Date June 16, 1959. for the cleaning operation.

INDUSTRY Ani	mal Trap of America.		CC	UN <b>TY</b>	Welland	
ADDRESS 178	Ellen St.		PAW	ERSHED	Niagara	R.
Nia	gara Falls.					*
PERSONNEL Mr.	H. G. Payne, Manager	•				
Mr	S. Granville, Plant	Superintendant.	- биоризсиие			
		ANCE THE COMPLETE ARTERS AND PHILOSOPHIC PROPERTY OF THE PARTY AND PARTY.	мировистийн			
milinional			-			
PLANT OPERATION	ON Hrs. per	day	Days pe	er week	P	lant Employees
Aver.	8	-	_5_	приможночном сите	75	1.3
Max.			SHARWACA ACCACARS SHARW	THE STREET, SOUTH STREET,		men on nights
Seasonal	Variation	IN RECURSORMES			00000.00	
WATER SUPPLY	Source	AT	M	ax. g.p.	đ	Treatment
		Av. g.p.d.	1.70	rve Robe	u.o	II co dinorro
Domestic Sanitary	*	7.300 (total	1)	7.900		Nil
Cooling		HEAD CONTRACTOR CONTRA	-		egenerate to	regional de productions (describes conscionaries and authors, amountes)
Industri	al	11				
Water 3M Pills	= Sept. = 432,000. Dec. = 486,000	・七年の自然を定金のこと	Mar Jur		,000.	
RAW MATERIALS		many terminant transfer of the Control of Co				т кан астыў шкат Сттониценайскаў экспецыянайскай.
	Steel, waste paper	S CONTRACTOR NOTICE AND RECOGNIZATION AND RECOGN	Company of the Control			
			ematric empression of the company of			
PRODUCTE)	Animal traps,		obero conscionario manchi vi committe sti			
	Hand garden tools,				uomowo wa waka waka waka waka waka waka wak	та жүйтик жандагата эн айынастандуунуун бүйнөгүнөдүү аймат
	Moulded pulp flora	l containers.				
evaluation		and a second	ecuning and control of the control	reconstruction and beautiful throat to reconstruct the		

		SEWELS ( )U A L	3 = 390 G/Day)	
		Quantity	How Estimated	Date Sampled
Coolir	ıg	2,400	Observed flow	
Indust	rial	4.300	Subtraction	
			•	× × ×
RIPTION	OF SEWERS S	ewer network wit	thin plant to service to	otal plant area
			te discharge point unkno	
1100110	AFADE OU CAU	DOWNER DOLLER	SO SECURE ES POETO MINIS	C 1978 A. C.
-				
RKS:(1)	400 gallons	of water with 12	gallons.	
RKS:(1)	H2 So4 are u	sed for steel pi	gallons. lckling. rinse tank are dumped.	together about once
* 44	H <sub>2</sub> So4 are u This tank an	sed for steel pi	ickling. rinse tank are dumped. H	togeth <b>er</b> about once
* 44	H <sub>2</sub> So4 are u This tank an	sed for steel pi id a 400 gallon r ng a) air compr b) welder.	ickling. rinse tank are dumped. d ressor.	together about once
* 44	H <sub>2</sub> So4 are u This tank an	sed for steel pind a 400 gallon manager a) air compa	ickling. rinse tank are dumped. d ressor.	together about once
* 44	H <sub>2</sub> Sou are u This tank an Water Coolin	sed for steel pind a 400 gallon red a) air compreb) welder. c) Trico-deg	ickling. rinse tank are dumped. d ressor.	

Survey by; E. T. Ciebien.

Date June , 1959.

INDUSTRY Arklus Machine Tool Works.	COUNTY Well	and
ADDRESS 202 Muir St.	WATERSHED Nias	cara River.
Niegara Falls.	Mandandaria	
PERSONNEL	Autorical State Committee	
* Louise Arklus - Owner.		
	and complete Country	
	and the second s	
PLANT OPERATION Hrs. per day	Days per week	Plant Employees
Aver. 81		5
Max.	immaterwich and clear that it manufacture of the aggregation of a sub-verse	
Seasonal Variation	on other being requirement and constraint and an examp	
WATER SUPPLY Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/or Sanitary City Flat Rate	tis desse paraginase reconsciprios de microscopio e desse resso	Nil
Cooling		employer, or with \$60 and prescribed prescribed, agreed, the Marie
Industrial		
RAW MATERIALS Steel bronze castiron.		
	or a supplier to supplier to the contract of the supplier to t	
PRODUCTE: Tools, dies, special machines	A	
An explain the antique of the antiqu		na jengkanal kengkan pamanaga matawada, a Dan Dangka a pangundan da manan

	Sanitary To city	sewers ( $30 \times 5 = 1$	50 G/D )	
		Quantity	How Estimated	Date Sampled
	Cooling			
	Industrial	The same the		
DESCR	IPTION OF SEWERS OR	e sewer connection.	Exact location unknown	own.
-				

REMARKS: Essentially a dry industry. No oil losses to sewers.

Survey by; E. T. Ciebien.

Date June . 1959.

INDUSTRY Penjamin Glove	& Canvas Mfrs.	COUNTY Well:	and
ADDRESS 518 Ellis St.		WATERSHED NA	ara River.
Niagara Falls.	Construction of the Constr	puripositions.	
PERSONNEL B. C. Schulze	Pros	OweContour	
Mrs. E. M. Mc	Cree, Secretary.	Gers Agree Consen	
		CONSICTION CORNEL	
		giscondinas	
PLANT OPERATION	Hrs. per day	Days per week	Plant Employees
Aver.	8	CA COLOR CONTROL CONTR	3 office
Max.		consequences, and have consequenced in mineral results (actions).	27
Seasonal Variation	Terral management of an Otto Constitution Co		Country of Long Description ( 1980) that the country of Long Long Long Long Long Long Long Long
WATER SUPPLY Sour	rce Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/or Sanitary <u>Miasa</u>	ra Falls. No Meter.	No fine Country Country Country to Country to Country	
Cooling	Machine de la Company de la Co	temploracide/preside activacionacide activacide do hechanica and	A PARAMETER AN INCIDENCE AND CONTROL OF THE CONTROL AND CONTROL OF THE CONTROL OF T
Industrial	responsive representative spirate Principle Appropriate to Contract State Contract	AND CASE OF THE PARTY OF T	
RAW MATERIALS Cloth	Canvas, leather, asbestos.	aggrand from regions accommission of the second and the specification for the second and asset among a second	ыдэн афтеруны 2 таксан адамыйданд эн афтерунарандандандандандан (24000
Wildford Levelins Charles Charge Language (Charles	ka ala adoradossigne ota sichmoh sich sichmohl sigh vir dissichssydnisse sichmohl sich sechssicht, söhnichs söm sige vir dissich	ECHNICAMORE STRINGERIC DECENTARION RESIDENCE MERCHICA SIQUE SIQUE CON ACTIVITY.	
	enades glovery out or elements of the Construction of the State of the		
Grandwill Consiglion Consiglion (Consiglion Consiglion			
, ^.			
PRODUCTICS	Canvas Goods.	paginar Cana Cana Cana Cana Cana Cana Cana C	action of the common County Street Security Secu
Managland and analysis of medical process of medica	pent complex c		

	Sanitary To city	sanitary sewer.		
		Quantity	How Estimated	Date Sampled
	Cooling	W-60-60		
	Industrial	000 NO - 400		
DESCR:	IPTION OF SEWERS	Para sir ser se		
-				

REMARKS: No industrial liquid waste; Dry Industry.

Survey by; E. T. Ciebien.

Date June 16, 1959.

INDUSTRY	Bentley Sporting	Goods	COUNTY	Welland
ADDRESS	First St., Niagar	a Falls.	WATERSHED	Niagara R.
PERSONNEL	Mr. G. L. Bentley Mr. R. Coughla	, President,	en. Mgr.,	
	Miss L. E. Whitta		angles a distriction and	
PLANT OPERATION	Hrs. per	day	Days per week	Plant Employees
Aver.	8	on an analysis of the second	5	20 to 40
Max.				
Seasonal V	ariation	STATE ACCIDENT	NEW PROPERTY COMMUNICATION OF THE PROPERTY OF	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.	d. Treatment
Domestic a Sanitary	nd/or Niagara Falls	No meter	Na lista prima transportant mentra and re-	Nil
Cooling				designation and responsibility to construct the contract to th
Industrial				
RAW MATERIALS .	Metals, wood, car	dboard.		
PRODUCTS Ma	nufacture and dist	ribute: Tennis	, badminton, squ	ash, golf,
	croquet, games b	oards, blackboar	rds, toys.	

1	Sanitary	To city co	ombined	sewers.	
		Quantity		How Estimated	Date Sampled
	Cooling	No meter			
	Industrial		. ,		
DESCRI	PTION OF SEWERS			v	
_					
_					
_					
_					
-					

REMARKS:

Dry industry. No industrial liquid wastes.

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY Burg	ess Battery Co	COUNTY	llard.
ADDRESS 415	Buttrey St.,	WATERSHED N	agara River.
PERSONNEL Mr.	A.Yule, General Manager.  S. Bain, Plant Engineer.		
PLANT OPERATION		Days per week	Plant Employees
Max.	_8		
Seasonal V			
WATER SUPPLY	Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary Cooling Industrial	Niagara Falls 40 - 51,000		
RAW MATERIALS	Steel shell, carbon electrodes.  Manganese dioxide, zinc chloride	9.	
	Ammonium chloride, starch.		
PRODUCTS	Dry-cell batteries.		
	And the control of th	2001 100 000 000 000	

Sanitary To sa	nitary severs.		
Cooling	Quantity	How Estimated	Date Sampled
Industrial	gal./day.		
	and the second s	<ul> <li>Amonghouse of reflect (institution) of least in repurementative reflects absolute contemplated as a reflect of an extra contemplated as a reflect of a reflect of</li></ul>	
ESCRIPTION OF SEWERS _	Plant sewers inclu	ding cooling, wash and	sanitary flows
discharge to city	sewers.		1

REMARKS: The largest use of water is for cooling purposes on grinders, welders, quenching etc.

Approximately 5 gal./min. are used to wash the metal containers for small battery cells.

Small amounts of water are used for floor and equipment wash-up.

Survey by; E. T. Ciebien.

Date June . 1959.

INDUSTRY Ganadian National Railway.	COUNTY Welland.
ADDRESS Round House,	WATERSHED Niagara Falls.
PERSONNEL G. Walton - Locomotive Foreman.  J. Sloan - Clerk.	
Aver. 24	s per week Plant Employees  7 50 down to 40 by July 30.
Seasonal Variation  WATER SUPPLY Source Av. g.p.d.  Domestic and/or Sanitary Nisgara Falls. 290,000 diminished to 170,000 even less soon.  Industrial	Max. g.p.d. Treatment
RAW MATERIALS	
PRODUCTS Locomotive service and maintenance.	

Sanitary To Cl	ty sanitary sewers.		
x x	Quantity	How Estimated	Date Sampled
Cooling			
Industrial			
		,	
CRIPTION OF SEWERS			

REMARKS: Steam engines have recently been completely stopped. In the past the water was chiefly used in these engines.

There was a large volume of water used previously to wash steam engines as well.

At present yard engines are all diesels and these require a much smaller volume of water for maintenance.

Survey by; E. T. Ciebien.

Date June 25, 1959.

INDUSTRY	Chateau-Ga	Wines Lt	d.	COUNTY	Welland	
ADDRESS	1375 Stanle	ey St. N.	, Stamford Twp.	WATERSHE	D Niagara	R.
Medicological	P.O. Box 6	Niagara	Falls,			
PERSONNEL	Mr. R. G.	Swan, Super	rintendent			
-	Mr. R. Smi	th, Assist	ant Superintende	ent		
	)			the confidence of the confiden		
PLANT OPERATI	ON	Hrs. per	day	Days per wee		ant Employees
Aver.		8		5		55 2 5
Max.			named to address and		actions transferred	
Seasonal	Variation	24	5 weeks Sept. & Oct.	6 - 7		120
WATER SUPPLY	Sour	ce	Av. g.p.d.	Max. g.	p.d.	Treatment
Domestic Sanitary		ford	1,650	-	A	Nil
Cooling	Well		( 150,000		CONTRACTOR 100	Nil
Industri	al Stam	ford )	(110,000			Nil
RAW MATERIALS	Granes.					
THE THE LEADING				The state of the s	adamenti terro den dei reca como del colori se sen adresso i di	Entracembrost and writerapped in spatial entraces in
			phonogram (business) in order common more recordence about the colors and control of	Sungang decorating as a submit of such a global continued A.	erate to the control of the control	
	Outreches and an artifact plant age of the seed					
PRODUCTS	Wines.					
Management			(Christians) has program (Caracter) for the return of the core. At case the area			
-						
i						

	Sanita	ary	Septic tank, san	i filter to HEPC	Canal.		
	Coolin	5	Quantity	How Estima Pump capac: Water bill	ity	Date Sampled	_
DESCR	RIPTION	-	Wastes discharge		ch which l	eads to the	_
,							_
							_
H							_
,			×				_
REMAR	KS:	Pumice is d	umped on farm land	l for fertilizer	r		
		Lees are pu	mped into tank tru	acks and sent to	Toronto fo	or alcohol	
		recovery.	A				
		wash waters	from floors, fil	ter presses, bar	els and t	anks are the	

prime source of polluted water.

Survey by; E. T. Ciebien.

ADDRESS 2158 Main St WATERSHED Niagara River.  Niagara Falls.  PERSONNEL J. B. Dafoe - Ner.  *E. B. Dickson - Officer Ner.  PLANT OPERATION Hrs. per day Days per week Plant Employees  Aver. 8 5 30 P. & 0.  Max.  Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagara Falls.  Cooling & bottle wash  Industrial to bottles.  *floc. & chlorinatic	
PERSONNEL J. B. Dafoe - Mer.  *E. B. Dickson - Officer Mer.  PLANT OPERATION Hrs. per day Days per week Plant Employees  Aver. 8 5 30 P. & O.  Max.  Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagara Falls.  Cooling & bottle wash  Industrial - to bottles.  *floc. & chlorinati	
#E. B. Dickson - Officer Mer.  PLANT OPERATION Hrs. per day Days per week Plant Employees  Aver. 8 5 30 P. & 0.  Max.  Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagers Falls. 15-40,000  Cooling & bottle wash Industrial to bottles. *floc. & chlorination*	
PLANT OPERATION Hrs. per day Days per week Plant Employees  Aver. 8 5 30 P. & O.  Max.  Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagera Falls. 15-40,000  Cooling & bottle wesh Industrial to bottles. *floc. & chlorination*	
PLANT OPERATION Hrs. per day Days per week Plant Employees  Aver. 8 5 30 P. A.O.  Max.  Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagra Falls. 15-40,000  Cooling & bottle wash  Industrial to bottles. *floc. & chlorination*	
Aver. 8 5 30 P. & O.  Max.  Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagara Falls. 15-40,000  Cooling & bottle wash Industrial to bottles. *floc. & chlorinatic	
Aver. 8 5 30 P. & O.  Max.  Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagara Falls. 15-40,000  Cooling & bottle wash Industrial to bottles. *floc. & chlorinatic	
Max.  Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagara Falls.  Cooling & bottle wash  Industrial to bottles.  *floc. & chlorinatic	
Seasonal Variation  WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niegara Falls. 15-40.000  Cooling & bottle wash Industrial to bottles. *floc. & chlorinatic	
WATER SUPPLY Source Av. g.p.d. Max. g.p.d. Treatment  Domestic and/or Sanitary Niagara Falls. 15-40,000  Cooling & bottle wash Industrial to bottles. *floc. & chlorinatic	
Domestic and/or Sanitary Niagara Falls.  Cooling — & bottle wash  Industrial — to bottles.  *floc. & chlorinatic	
Sanitary Niegara Falls. 15-40,000  Cooling & bottle wash  Industrial to bottles. *floc. & chlorination	
Industrial — & bottles.  Nil.  *floc. & chlorination	
Industrial — to bottles. *floc. & chlorination	
*floc. & chlorinati	
	on.
name and the control of the control	
RAW MATERIALS Syrup, Water and Carbon Dioxide.	
PRODUCTS Carbonated Beverages.	

Sanitary	To sanitary sewers.		
-	Quantity	How Estimated	Date Sampled
Cooling	15,000 - 40,000	Water Bills.	
Industrial	gal/day.		
			* - 3:
			* a
DESCRIPTION OF S	EWERS Bottle washings wast	es are screened to r	emove solids and disch
to city se			
			ыныда жаланы ондосондам таңыры дарын айынды дарын такжа
,			
-			
REMARKS: Approx	ximately 10% of the water pur	rchased is sold as p	

is used for cooling and bottle washing.

The caustic wash solution is recycled for 2-4 weeks and then dumped to the sewers.

Daily washup of floors and equipment also flows to city sewers.

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY	Cyanamid of Canada	Ltd.	COUNTY	llend
ADDRESS	Niagara Works		WATERSHED N4	agara R.
4	4th St. Niagara Fal	lls,		
PERSONNEL	Mr. I. L. McDonald,	Plant Manager	production and the second	
No. (In column 2 in Column 2 i	Mr. W. R. Melvin, I	Plant Engineer	and in the second	
-			outer discount	
motorpages			and the state of t	
PLANT OPERATIO	N Hrs. per	day	Days per week	Plant Employees
Aver.	24	dendesgragnen	7	700 25
Max.		gendossonsons		
Seasonal	Variation	manajir solitaninini	-	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic Sanitary	and/or City	140,000	167,000	Nil
Cooling	HEPC Canal	13,000,000		Settle solids
Industria	1	-		
RAW MATERIALS	Coke, lime, nitz	rogen from the s	tmosphere	
THE TANK TENEDON	Today almoy may	OBOTE LEGIS OFFI	, v.1.00 pasou 0	
	Assettent transplant plans of transplant plans of the state of the sta			
PRODUCTS	Cyanamid (Crude CaCN	l <sub>2</sub> ) calcium cyar	namide	
Named in Aging phone		althrug much med the materials and made and final template extrement Arthrug template and the section of the		Ottoping first registering to the construction of the construction

Sanitary	Treated in 8 septic tank	ks then to twp. combi	ned sewers and				
	several to HEPC Canal.						
	Quantity	How Estimated	Date Sampled				
Cooling	) 13,000,000 G/day	Pump capacity	July 24, 1959				
Industrial	}						
			(b)				
DESCRIPTION OF SEWERS A 30" sewer carrying approximately 90% of the water							
from the plant discharges directly to the HEPC Canal.							
Another smaller sewer carrying 10% of the water discharges							
via plant sewer to the township sewer under Victoria Avenue and then to							
the Niagar	the Niagara River at the Whirlpool Rapids.						
	The cooling pond over	rflow also connects t	o the above sewer				
to the Nia	gara River.						

#### REMARKS:

Water is primarily used as a coolant for the furnaces, owens, and the power transformers in the plant.

The processes are essentially dry and produce no industrial liquid wastes.

The sanitary wastes, after treatment in the 8 septic tanks, discharge to both the plant sewers systems and then to the HEPC Canal and also the Niagara River.

Survey by; E. T. Ciebien

Date June, 1959

INDUSTRY Del	duca Feed I	roducts I	td.	CC	UN <b>TY</b>	Welland	
ADDRESS 164	8 Stanley S	t.		WAT	ERSHED	Niagara	River.
Ma	gara Falls	L					
PERSONNEL _M_	Delduca - (	wmer.	and the section of th	District Designation			
				ecto-action occurrent			
instantingon	1			Concomorance			
				Constructions			
PLANT OPERATIO	N	Hrs. per	day	Days pe	er week	P	lant Employees
Aver.		8	TO A STATE OF THE	5	all program of the last of the last	ORGANICAL AND	6 - 8
Max.			INCOME PROPERTY.	SHARE WELL AND LANGUAGE PARKET	NOTE THE SERVICE HERE	OBSCISSO OBSCISSO	BOOK SECURITY OF THE WAY WITH THE THE THE THE THE THE THE THE
Seasonal	Variation	description of the Contract of	MATERIAL STREET	ян отластистичного		-	
WATER SUPPLY	Sour	ce	Av. g.p.d.	Ma	ax. g.p	.d.	Treatment
Domestic		P-11 -	Wa Makan				
Cooling	Niagara		No Meter				
	.1						
21100000			State of Chicago Code, or the State of the Chicago Chi	more	COLUMN TO SERVICE STATE OF THE SERVICE STATE STATE OF THE SERVICE STATE STA		
RAW MATERIALS	Food.		n ng bangan ng ang kang kang kang kang kang ka	aghigan en announce de la constitución de la consti	TOTAL CONTRACTOR OF THE PARTY O		
	Wild of Company of the Company of th		k alle region Conscionale reconscion de las conscions circulturales				proclamitance mat a squart part has the structure dynamic and
					Own reduced on a 18-million of the China C		
PRODUCTE	Canned c	asserole	dishes.	namental and the Control of the Cont	100 CT 10	THE PERSON CONTRACTOR STATES	
-							
-				m, pull-relinspressing a serveration			

	Sanitary To city	sanitary sewer.		
		Quantity	How Estimated	Date Sampled
	Cooling			
	Industrial			
DESCRI	IPTION OF SEWERS	Wash waters disch	erge to sanitary sew	ers.
-				
-				
-				
-				
-				
-				

REMARKS: This is a new industry and still in the experimental stages.

Within one year it is expected this plant will move to Stamford Twp. to a new building for larger scale production.

Survey by; E. T. Ciebien.

June 18, 1959.

INDUSTRY _	Domi	Dominion Chain Co. Ltd.				COUNTY	Welland	
ADDRESS	800	Bender H	111			WATERSHED _	Niagar	a R.
**	Niag	ara Fall	.8					
PERSONNEL _	Mr.	F. C. Cu	llimore,	President				
_	Mr.	D. McDon	ald, Plan	t Engineer				
_	Mr.	E. Manso	n, Mainte	nance Foreman				
_								
PLANT OPERA	TION		Hrs. per	day	Day	ys per week	Pl	ant Employees
Aver.			8			5	3	00 ± 20
Max.					-		The state of the s	
Season	nal Va	riation		BERGET CONTRACTOR	***		Nonethic address	Ometingua Simulatura de Librario Indiana de Carlos
WATER SUPPI	CY	Sour	ce	Av. g.p.d.		Max. g.p.	d.	Treatment
Domest Sanita		d/or Niag	ara Falls	10,000		Na de la grande de la companya de la		Nil
Coolin	ıg		11 11	5,000				40
Indust	trial	-	E9 89	55,000		62,000		
RAW MATERIA	ALS _	Steel,	plastic,	wire, etc.				
	_	Various	chemical	s required for	clea	ning and pla	ting.	
	-	(includ	ling H2SO4	, Hel, cadmium	, zin	c, brass)		
	_							
PRODUCTS		Chains	and cabl	es.				
_								

# WASTE DISPOSAL To city combined sewers Sanitary 10,000 gal/day based on 30 G/day/person How Estimated Quantity Date Sampled 60,000 to 65,000 Cooling gals/day Industrial Water bills DESCRIPTION OF SEWERS \_\_\_ Pickling operations; wastes discharge to city sewer at south side of plant site. Plating operations: wastes discharge from the plating room in two directions. They then combine into single plant sewer and discharge north, to the city sewer on Bender Hill.

REMARKS:

Survey by; E. T. Ciebien

Date June 16, 23 August 7, 1959

INDUSTRY	E. H. Ferree	Co. Ltd.,	and the same Cost, the Cost of the same of the same of the Kill of	ginejunin.m	COUNTY	Welland		
ADDRESS	1701 Lewis St	.,		-	WATERSHED	Niagara	River.	
NOTERIOLOGI	Niagara Fall	5 •		g and market				
PERSONNEL _			United by the Control of Control					
-	CHICA SARAHAN AND AND AND AND AND AND AND AND AND A		Sent throughout the Car restrict on the Car of the Car	EN LOWER				
_	: Chardion (charaChin Chin Chin Chin (charache a tha e dheache (chin Chin (chin )	Chapter outside Geological Andrei	S representation of the state o	-				
_								
PLANT OPERA	TION	Hrs. per d	a.y	Da	ys per week	Pl	ant Empl	oyees
Aver.		8			5		8 P & O.	
Max.								
Season	al Variation	OHINE SIGN SAME CHIRECUT INCOME AND PROPERTY AND THE		W-454E		Creation region		
		ce	Av. g.p.d.		Max. g.p.	d.	Treatm	ient
Domest Sanita	ic and/or ry Niagar	a Falls	1,500 to 3,1	00	(iii) (E) (iii) (E) (iii) (iii	ches Area se	Nil	er parallel annine
Coolin	g		to of the class of the converted at a process Converted to		Company of the St.	ORIGINA 00		ngo agine i jendana
Indust	rial		MICHAEL MEANING AND AND AND		Control State Co	dandono on		Manager and Print Service
RAW MATERIA	LS Leather	80%,plastic	20%.			School State Committee of the School	ni na mpianaj mat i se na live Vinanaj sa odis	EROSSONER
	TAXABITECOLONIQUE OF CAMERA SACIONA AND	an de complete compressa glamente por sella restra escriba describança de colha escribança de colha escribança		(Checkedon II)		g process construction (construction)	ncampone and of distinct male from	
	service and a service of the Control		Free Gillerfore recognitions of garmerines and have been accommodified and	and the second limited			(	
	CHESTON ( passifront, passifront passes passes or	Construction of the section of the s	Committee of the self as the particular of the self-self-self-self-self-self-self-self-	TORSON CHIE				Named International College
PRODUCTE:	Leather	and plastic	- wallets					
_	Character Co.		- keycases					
			- coin purses	4			oczana wrach Konach Actor Conti	

	Sanitary To san	itary sewers.		
		Quantity	How Estimated	
	Cooling			
	Industrial			
DESCR:	IPTION OF SEWERS			
-				
-				
-				
-				
-				
-				

REMARKS: Dry industry, No industrial liquid wastes.

Survey by; E. T. Ciebien.

Date June 16, 1959.

INDUSTRY Flexo	Cotten Pr	oducts.		CHECKMANN MY	COUNTY _	Welland	BECAUSE HOUSE PERSONNE
ADDRESS 1993	Clark St.,	and pink the Johnson exchange where the Personal		NCA SA MINISTO	WATERSHED	Niagara	River.
Niaga	ra Falls.	maderickie (des 1854) state (des 1864) state (des 1864)		ENCOCHERNIC			
PERSONNEL Mr. H	M. Seige	1 - Owner.	englangsin colle ng menjangsawa, producing in a sa repression bline bline star. A	and the Canada			
Simulatin Colon Street	and the state of t		AND ONCORRESS OF ACTUAL ACTUAL CHANCISTS AND ACTUAL	e-specifient			
of michaelengin coli			antia vali atautio atia est. Prot. Ballo valigas di Voto atto atto atto at materialismo.	anchecture			
manchiana			CONTRACTOR	ma(Comtone)			
PLANT OPERATION	N	Hrs. per	day	Days	per week	F	lant Employees
Aver.		8	magner(cont)		5	****	5
Max.		CONTRACTOR OF STREET	DECHAPME:	CONTRACTOR ACT	ACTOR OF THE PERSON STREET, STREET, STORY OF THE PERSON ST		
Seasonal	Variation	State Control of the Control of the Control	in accept man	w.matsect	Approximate the second control of the second		
WATER SUPPLY	Sour	ce	Av. g.p.d.		Max. g.p	.d.	Treatment
Domestic : Sanitary		Falls	1,500 to 2,500	)	w.low.coughtscorrosschilorscore	Dr. anders Print	Nil
Cooling	Company of the Compan	enconductorate (SA)	MACHINER CHRONOPAN AND AND AND AND AND AND AND AND AND A		CHARLES OF THE PARTY OF THE PAR	programme and	
Industria	1		MANAGEMENT AND THE CONTRACT OF		STREET, THE PROPERTY OF THE PERSONNEL PROPER	and an expense	
RAW MATERIALS	(1) Cotto	on.					
j.			mengar report (interpret you glood with a cheathraine clie client cheathraine).  In a fair a Creat Comman et Comman et Comman (in a set Comman (in a set Comman et Com				
			an art and area area area area for a figure or a constitution of the artists of t				action (1994) is the last terminal contribute the c
PRODUCTE	(3) Man a						
dess class collections			CHARLE M. DE COMICIONATION DE COMICIONATION ACT METAPORTE				
dentili Constant	and the second s		CONCERN DESCRIPCIÓN DE SELECTION DE SELECTION DE LA RECURSO DE LA RECURS	e)continuity or non-rel	and the second s		in Development Collision (In Section Construction of April 2014)

*	Quantity	How Estimated	Date Sampled
Cooling	1.500 to 2.500 gal./day	Water Bills	
Industrial	gal./day	η τ	22)
	171		7
CRIPTION OF SEWERS	All wastes to city	sewers.	
CRIPTION OF SEWERS	All wastes to city	sewers.	
CRIPTION OF SEWERS	All wastes to city	sewers.	
CRIPTION OF SEWERS	All wastes to city	sewers.	
CRIPTION OF SEWERS	All wastes to city	sewers.	
CRIPTION OF SEWERS	All wastes to city	sewers.	
CRIPTION OF SEWERS	All wastes to city	sewers.	
SCRIPTION OF SEWERS	All wastes to city	sewers.	

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY	er Products of Canada Ltd.	COUNTY Wel	land.
ADDRESS 1611	North Sta	WATERSHED Nia	gara River.
Niag	PR F3112 August resonance and a second contract of the second contra	- Andrew Switchers Commen	
PERSONNEL	reChellentry ago wife ago active a Constant a stanta a constant active processor and a second and a stanta a constant and a constant a constant and a constant a const	a gas a sundandanse	
M. F	ortin - Plant Supt.	neda sori signicione	
I. S	agert - Plant Engineer.	THE CONTRACTOR COME	
Growth St. No. de ag Chronic Star	egimeda egim gimegimegimega satzandar egimegim egasega satzandar eta a torrega gimegimegia agar eta adarega egimeda ata eta egimegimegia adarega egimeda egimegimegia adarega egimegimegia egimegia egime	a CO-acini-Commonio	
PLANT OPERATION	Hrs. per day	Days per week	Plant Employees
Aver.	Can 8 hrs.		125 - 20.
Max.	Packing 8 hrs.	озменное исключения поднественного применения применения поднествения	
Seasonal V	Variation Cereal 24 hrs.	per-offent melog mytomogenetischen gemodent genommer	Chestin, 1/244/CHECHESCHE, CHECHESCHE, CHECHESCHESCHESCHESCHESCHESCHESCHESCHESC
WATER SUPPLY	Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	and/or Niagara Falls. 61,500	20 (Cos. Christicos/Costrosifos-rigos ACustigos rigos as senso	Nil.
Cooling	типинация 185,000	Control of Control (Control of Control of Co	
Industrial	EMPLE SCHITTERS (See France) with an extension of control of contr	STANDARD CONTRACTOR OF THE PROPERTY AND AN ADDRESS.	
RAW MATERIALS	Fruits, vegetables, grains, flou	r meat eggs etc.	
	амбитан-ан-динуминдина или доскратели или по встрани или по настигна и п		
	мякжаюную надзератательнае допательнае надзерательнае на дзяду вамен мясь матега на техна техна под этимательна	ANCELLI DES SIDES EN MESCANDOS MESTA RESPONSA DE MESTA RECUENTA PER PROPERTO DE MESTA DE MESTA PORTO PERO PERO	mapanaginas (para janatinas taurajas af aras and aras and aras and aras and aras (para janatinas aras aras and
	Tendinos maginos auceinalemos, esses gimes, nejeros migras perastruoja asymmyna praesante nesanginos in insurirente constituido del cele		
PRODUCTES	Sound habe forder		
	Canned baby foods:		
an constructive of	Cereal, biscuits, fruits, mests,	See the second control of the second control	aucturalis Intilia varingiti varingido (c montana) bili parates (s menenany arigina dimen
denica County aget	SECTION HIGH SECTION CONTINUES AND RECOMMENDATION AND AN ARREST OF THE MEMORIAL CONTINUES AND AND ARREST	ницы из негизирноги резигногионогионогионогионовые общене поче	DOCL THEIR CHANGES TO CHANGE CHEMICAN AND HARDAN AND HARD PRIVATION HAS ARREST ARREST CHANGES THEIR CHANGES THE

Sanitary To s	anitary sewers.		
Cooling Industrial		How Estimated	Date Sampled
DESCRIPTION OF SEWERS	6 6" lines.		
All connecting to			

REMARKS: Wastes are highly varied depending on type of operations and kinds of food being processed. During different seasons, different foods are processed.

A letter has been received stating that the company wishes to install a garburator to grind pealing wastes.

Survey by; E. T. Ciebien.

Date June 18, 1959.

INDUSTRY 1.5	. Graham (Can	) Ltd.	Constitution (see ) and an idea (see Our Constitution in	or grand/smills.ms	COUNTY	Wellan	d.
ADDRESS 630	Clifton St.	DINOR HOLLEGE MANUSCRIPTION OF THE PERSON NAMED IN COLUMN TWO IN COLUMN	ACH	COLUMN STREET	WATERSHED .	Niagar	a River.
Ning	ara Falls.	nvSlangConst-StatConst/StatConst/St		RECONOCIONA			
PERSONNEL A.D	onaldson - Su	Dta	NO BECKNISCH, W. SPACIESCOPE, WAS DESCRIBED CHARTER SCHOOL STREET	ps.acmedanicame			
ten direction (in section)		MATERIA PARE DI MONTO APPE MEN		SI NOT PROPERTY.			
OF THE COMMENT AND THE		ricariçõe dividraçõe estre	NO. NECESSION - COMPLETENCE MINIOPERCENS - CCT - COMPLETENCE - CCT - C	Marie State States			
amed in Constitution	egrennick agter og canadilmidderedt i nadar sidder og freddinsgjor og	eng avage who no motorecharacterich	COLUMB THE ASSESSMENT SHOWN HERE AND LESS ASSESSMENT TO THE ASSESS				
PLANT OPERATION	N Hr	s. per	lay	Days	per week	F	Plant Employees
Aver.	Studio e	8	RECORD SECTION OF THE PERSON O	SAMOUNISMOM	5	·	4 to 10
Max.	Gross comp	and the state of t	schadow	COMMON STATE	CHIEF CONTROL PROGRAMMON (ACTION)	OMICE	
Seasonal V	Variation	and the same state of the same	1 SCHWEIRWO	ON ACCUPANCES.	of cores and 30 kg month and a second and a second		стей Стейством Описаности Описаности Описаности Описаности
WATER SUPPLY	Source		Av. g.p.d.		Max. g.p.	d.	Treatment
Domestic a Sanitary	and/or Niagara	Falls.	No Meter		An about Designation of the Special Section Se	chara Primo	Nil
Cooling	mentered an idea agricologica (China Calladore Calladore)	аконом			Connection and Connection and the Assessment Connections of Connections and Connections of Conne	Concrete	овысамися набая финасуноския сункасных картис этомина
Industrial	Best Car SC Schallber (TyserCansillas encys action of	monoin	MARKET RACKS SERVINGER SET SHARE THE MARKET SHARE MARKET		dameCharl Springering record on any many even	pos-spilled	LOSSO CHICAGO CON CONTRACTOR CONT
RAW MATERIALS	Cardboard.		maghe skinnyn i gann yn y daeth y bronn i bron	EXAMPLE STREET,	aggreening at large thread threadourse. Coloring, flow charmonistics a street	er ann chann an Shanni Sha	escanon nomicas som d'herrinnyjn-estimit historiannot 170
	Change in Change Change (Change in Change in C	DESIGNATION AND RECOGNISHED AND	n Andrea Charles de Miller	os coscendir stendi	and the Control of the State Control of the Control	gherdyn dischilassamder (D)	COMMUNICATION OF COMMUNICATION SPRINGS AND
	CHRECH INCOMESSAN COUNCIL STORY STATE OF THE	ju rekonsuljanských at doecht at 10000	at all has regionscripts with the last section of the section of the section of the section of the last se	ngia mendonenawanian			Control of the Control of the Profession Control of the Control of
	SENSOR CONTINUES AND ADDRESS OF THE SENSOR O	s velik recessati maa marmaassati				CHIEBER DRIVES	nachworker (Chinacher Tarona) penganagian Chinacher (Chinacher Chinacher)
PRODUCTE;	Photographic	mounts					
arrage tar fillings	THE REPORT OF THE PARTY OF THE		tong tong tong cough each ration through each residence in recidence.	NOT THE PARTY OF THE PARTY OF THE PARTY.	A Salange information many disappear right CM 100.1		tracked base and a Commercial consequence of the Commercial Conseq
				ILLER SCHOOLSTERN COLUMN	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	age annual to a China Ch	ngg banggangnaggi ti abawarin. Mawai tambar ad kandawaki bingkangkangnag

Sanitary	itary severs.		
	Quantity		
Cooling	0		
Industrial	0		
DESCRIPTION OF SEWERS			
77/9			
		V.	

REMARKS: No industrial liquid waste; Dry industry.

Survey by; E. T. Ciebien.

Date June 18, 1959.

INDUSTRY The	International Silver Co.	COUNTY Wellar	ad
ADDRESS 303	River Road	WATERSHED Nie	pera River
Nia	gara Falls		
PERSONNEL Mr.	R. C. Fuller, President	continued and	
* Mr.	R. G. Christopher, Vice-President	productions.	
* Mr.	K. Patterson, General Foreman	groundhord-week	
* Mr.	J. LaBerge, Maintenance Foreman	purposes	
PLANT OPERATION	W Hrs. per day	Days per week	Plant Employees
Aver.	8	5	150 plant
Max.			50 office
Seasonal V	Variation		
WATER SUPPLY	Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a	and/or ) Niagara Falls 115,000	Wildelman, and included a constraint of the second	N43
Cooling	}		
Industrial			
RAW MATERIALS	Sheet steel, carbon steel	genecknownskie skalede werene i get kelen care cregat mele se fram selsce Welle	
	rod steel.		
	nickel, silver, and a variety of	chemicals	
PRODUCTS	Cutlery, flatware, holloware		
TRODUCTS			
	of 1) Stainless steel		
1	2) Silver plated carbon stee	1	
	<ol> <li>Sterling silver</li> </ol>		

WASTE	DISPOSAL
-------	----------

	Sanitary _		To city				
	Cooling Industrial	}	4.5	How Estimated Water bills	Date Sampled		
DESCR.	IPTION OF SEWERS There are 4 main connections from plant sewers to the city combined sewer called Muddy Run.						
-							
				· ·			

## REMARKS:

Samples were taken and a report written for inclusion in the Welland County report.

Survey by; E. T. Ciebien

Date June 4, 1959

INDUSTRY Iris	Dry Co.	PRODUCTION OF THE PROPERTY WAS A		a gloriada sada se	COUNTY	Welland.	
ADDRESS 1834	Poer St.,	DE ANGESTICA NELLECTRICA SERVICIONES ES	an independent and annother about the first annother an experience and an experience	Company and the Company of the Compa	WATERSHED	Niagara	River,
Niag	ara Falls.		and the state of t	and the Control of th			
PERSONNEL C. C.	rober, Pr	15	a and he will be a seed that a seed of the proof in the first and the section of	a, at a mag and desired			
tion active district stranger	envignency transformer and an account over 10% in Caraconson	тибенсань Ожнот-Каша Очнох аўду чёты	Connectional in some ACA's restored to the Connection State of the Action State of the	a accordancement			
on well hand home give engine	and, most, pressiverageness, have given as, most, poss, joining Cores,	BOOK (SHORT FOR ANY ACTION OF COMME) ART TO ARRAY (SHORT)	g ng laman salahai prodususi prodususi oʻr non rodis salahabi salah	SECURITY STATES			
онологирина	e-Cristille right active/conscients vision active planners	magenessing and profession at an abstraction	COLC DIS ACMACANIC DI NORMO COLLEGIO II COMBINI REPORTARI. ACHI VIR	Laco-screening			
PLANT OPERATION	N I	Hrs. per d	ay	Days	per week	Pla	nt Employees
Aver.		8	descento	territoria e e e e e e e e e e e e e e e e e e e	5	00.000.000-00.00	13
Max.			onations .	COMPANY ACTOR	(see jarja anados see stando nos storms	multichedia	Station of the Control of the State of the S
Seasonal V	Variation .	INCOMEDIATE NECESCRICALES	COPILLA MINI	on opposite the same	CORPORATE TO SEE AN ALL SECURITY OF THE SECURI	Описал, изданаблен	Description of the second seco
WATER SUPPLY	Sourc	е	Av. g.p.d.		Max. g.p.d	0	Preatment
Domestic a	and/or Niagare	Falls	5-11,000		tan ili and granglist and investmental and the latter, at these		Nil
Cooling	STOREST STATE OF STREET	and the constant of the constant of	ence Catalogue de Transcours de La Catalogue de Catalogue		CONTEST OF THE CONTEST OF THE PROPERTY OF THE CONTEST OF THE CONTE	nar smuliet	Carrison States on House Children and Adjaces Street Burst.
Industria	emide schriftsside erpeitzischerung	de antigenis primition de la constanta de la c	SAMESTANDIC SAMESTANDO AND SAMESTAND		DESCRIPTION SERVICE MAKE THE DAY OF THE PROPERTY.	man Gradow	
RAW MATERIALS	CO2. syru	p, water.	THE RESIDENCE CONTROL	N. C. St. William Co.			
	MARKET MARKET AND THE STREET,	ON THE SECURITY OF THE SECURITY SECURIT	Christian and an analysis of the Christian and t	о системи			Charles with grant conjugate an example (quantum and
	ONE COMPANY CONTRACTOR		ESPA ESTANCION ANTONOS ANT ESTANOS (C. SANTE	э энэсэн гүнсэного			
	(Million Construction Cons			and analogue alternative state.			
PRODUCTS;	Carbonate	d Beverage	es - Up-Town.				
	The self-state operation of the self-state of th	THE STATE OF THE S	- Wishing W	ell.			
Annicon Colonial Colo		The Kinney Street, June 1, and more property as a selection of the	AC HALCON HOLDERCLUNG DOWNSOMED SEE HELEN YN HERWONGOWG CHIN	Literational States and August	Manufacture of the section of the se	inn na Skrang) myse Skrans awydd 1940 (hwyddiad	minigal essaments acome forces inches plantfunctions

Sanitary To	sanitary sewers.		
	Quantity	How Estimated	Date Sampled
Cooling	5,000 to	Water Bills	
Industrial	11,000 gal/day		
DESCRIPTION OF SEWERS	Bettle wash wastes	are screened and disch	narges to snitary sewer
Appreximately 10%	of water purchased i	s sold as product.	
REMARKS: Bottle washi	ng wastes, including	caustic, and floor and	d equipment washings

are discharged to city sewers.

Survey by; E. T. Ciebien.

Date June 23, 1959.

INDUSTRY	Kimberley-Clark	Canada Limited,	COUNTY _	Welland
ADDRESS	431 Victoria Ave	nue,	WATERSHED	Niagara R.
	Niagara Falls, P	.O. Box 390.	рациональн	
PERSONNEL			gas at some China Chinate	
Amademican	* Mr. H. L. Sei	fert, Plant Manage	T CALCULATION	
	Mr. A. Har	rey, Plant Enginee	Z.	
Week to a contract to a contra				
PLANT OPERATIO	N Hrs.	per day	Days per week	Plant Employees
Aver.	17 (	$2 \times 8\frac{1}{2}$	5	425 P. & O.
Max.	-		COMMENSATION OF THE PROPERTY AND A SECURITY AND A S	(125 on nights
Seasonal	Variation	terminal law St & CHATCHING	the Attack was A solitons and describe the process and an artist of the contract of the contra	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.I	o.d. Treatment
Domestic Sanitary	and/or Niagara Fal	ls <u>110,000</u>	123,000	N11
Cooling	4	Managed State and Conference of Conference o	Owner, Grown St. St. and Street, See and please of named a number	makes and thinkness course of the contract of
Industria	\(\lambda_1\)\\		and the second second second second	
*				
RAW MATERIALS	Sheet papers,	cardboard, cotton	l.	
			and a supplied of the supplier suppliers to the suppliers of the suppliers	
PRODUCTIS	Kleenex tissues,	table napkins, sa	nitary napkins.	
-			and were the common families of the common families and the common families of the common f	
-	ang tina di terminang kemalahan di kendarang kempinang di menanggapan di mendang di men	contract the contract of the c		
Rend Hit Country		compromission of the standard manufacture and described and an extension of the standard manufacture and the standard manufacture an		en Carrier anné que en Salde con Camart anné como Camartenande S Camartenande S March Camartenant anné camartament amb canada

Sanitary _	To city	combined	sewers.	Y							
	(13,000	gpd base	ed on 30	gallons	per p	erson	per d	ay)			
		Quantit	ty	How !	Estima	ted		Date	Sampl	ed	
Cooling	-	100,000	to	Water	r bill	8			-		
Industrial)	_	110,000	gal/day	-				-	÷		
DESCRIPTION OF SE	WERSS	anitary	and indu	strial	plant	sewers	all	disch	arge 1	to co	mbined
	c	ity sewe	ers.						Omenage and the		
								A			

REMARKS: Water is used for sanitary purposes, air cleaning operation, bleach tank, cooling and boiler make-up at this plant.

This bleaching operation is carried out in a 500-gallon tank, where water and several bleaching agents such as, caustic soda, sulphuric acid and sodium hypochlorite are used to 'whiten' the cotton gauze used in sanitary napkins. This tank is dumped after each batch or about 8 times daily.

The air scrubbing equipment is used to remove the air borne fibres which come from the various tissue cutters.

Mr. Seifert stated that tests of the discharging water showed that approximately 200 pounds of fibre are removed from the air and discharged to the sewers.

No samples were taken at this plant.

Survey by; E. T. Ciebien.

Date June 12, 1959.

INDUSTRY R.	J. Lavelle Cand	le Co.,	product a first articular sector and	COUNTY	Wellar	nd.	<b>-</b>
ADDRESS 630	Clifton St.,	Cherchentering in Cherche High eight eigh schallcherterichte eigheicherterichte eigen eige	municipionismo	WATERSHED	Niaga	ra River.	_
		CONSTRUCT BRICHING BRICH IS SHOWN SHOWN THE CONTRACT SHOWN BRIGHT BRICHING					
material		egyversterret georgen Mign. ing die ersoner georgisse troch er tot, ersonertwerk besteht in siljer stationer,	ANALYSICAL MONTOCOTTO				
emergrations operated			Senight spring specification of the senior specific				
the Contragnos			* X * C * C * C * C * C * C * C * C * C				
PLANT OPERATIO	N Hrs.	per day	Day	rs per week		Plant: Em	ployees
Aver.	90.4%.30PHCP	Chang (minutes sight with the panagement panagement)	questionity	SCHOOL STRUCTURES HER STRUCTURES HERE IS	-	TE CONTRACTOR SOMETHING	
Max.	GHINCHING THE CHINA	Chi eda: Admiscos (Chiel Anich Anich Anich	nomerous.	ACTUAL SESSION OF ACTUAL SERVICE SERVICE SERVICE SERVICES	5000	LECTURE PRODUCTION OF THE PARTY.	
Seasonal	Variation	ACT AND THE COMPANY SOURCE PROPERTY.	00 (53)(50)	ES LICENSES A REMINISTRATIVO PRESIDENTA	com	N. COMPRESSOR AND PERSONS	R. A. A. D. A. C. B.
WATER SUPPLY	Source	Av. g.p.d.		Max. g.p	.d.	Trea	tment
Domestic Sanitary	and/or	Online Street, and position and the substitution of the substituti		to the specimen content of the second	A. COLUMN COMP.	ner militarih si sad Timbood	une entre courses d'estituire
Cooling	AMERICAN COLUMN SCHOOL	gund muchicalachischesharmichischesharmichischesharmi		CHARLES BY THE MATERIAL STATE OF THE STATE O	MORNO PE	Company or will believe by Charles	THE REAL PROPERTY AND PARTY.
Industria		dense elektrica aprilia de la descripción de la	,	ecarc and harden subject to continue or experience	non-oran	оненсия поненово	NO. OF THE PERSONS
RAW MATERIALS	Plant has had	recent fire:	ORNE SENÇEL ACTIVATION DE MINISTRA	NAMES AND REAL PROPERTY OF THE	en andre a series de series de ser		nading resources as
	- no operation	ms at present.	Service and commonwealth after	an integration of more free for any intermediate in the first		Continue months of the same same.	THE RESIDENCE OF THE PARTY OF T
	- it is not h	mown wether plant	will r	e-open.	AND RESIDENCE OF THE PARTY OF T	E ST. COLORES TO ST. COLORES ST. CO.	BALLET THE PARTY OF THE PARTY O
				majitaal is in Committee all all the widows in the committee of the	NC risk land SHI SHICKING TO	transferator color of memory and	DECOMPANY OF THE PERSON OF THE
PROBLEME:							
111111111111111111111111111111111111111			CHENTHURSTERNE	enciale accionente encim-eta presciuente accionente con esta e	CHEROLOGICAL CONTACT	Three Control and Antonion Control	Berger and a Company of the Company
Myridan such subjects	ten dipunction militare differentiare stare et que d'on et sus districts en sensitée un ba	ide maken et hanst Protes til statistik for å prodetning in at base til statistik for hanst fra statistik for	CRECONOMICS SOFTSHIP	of the entire reference treatifier in the entire to the entire treatment to		Communication and Continues and States	contract to the format a many of the format
Ameliacoccus		CANCELLOSCIBLES CITAL RECEVERATION IN RELEASEMENT OF REPORT	President for extrangely layer	EST REPORTED AND THE REPORT OF THE STREET, AND	MENONICHI CHICA	отполнициятные тольную, астис	Service and constructions (Authorities

# Sanitary Quantity How Estimated Date Sampled Cooling Industrial DESCRIPTION OF SEWERS

REMARKS:

Survey by; E. T. Ciebien.

Date June , 1959.

INDUSTRY F. H	Leslie Ltd.	COUNTY We	lland.
ADDRESS 801	Valley Way.	WATERSHED NA	agara River.
Nias	TO TO FOLIS.	Canadasopura	
PERSONNEL G. R	R. Dingman - Manager.	constitutions.	
*Howa	ard Timms - Prod. Supt.	о-чаниями	
provide contract of the contra		grander/med	
middleCaracterisaess		condimens)	
PLANT OPERATION	Hrs. per day	Days per week	Plant, Employees
Aver.	Beautiful control and the Cont	Samuel Sa	100
Max.	To may a complete promption or refer on the magnetic public limit to the delication of	COMPANDA ACANOMISTA COMPANDA COMPANDA (ESTADO	CARRECT SCHOOL/AND CHEST HIS AND
Seasonal V	ariation	der 40016/MECE FESSpeligier DE ASSEMPERMEN IN DARFOLDSSTEIN	Creation represents through a CD or consequence the SA ANALY AND CREATE CHARGE
WATER SUPPLY	Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	nd/or Niagara Falls. 8-19,000		N41
Cooling	BEHENNING CHROMOTORION CHROMOTORION BECCHROMOTORION BECCHROMOTORION BECCHROMOTORION BECCHROMOTORION BECCHROMOTORION BECCHROMOTORION BECCHROMOTORION BECCHRO	Constitution of Productions and provide the Constitution of Same Constitution and	Guadanta arabi applientorrobuscomonapo adellos teratinate
Industrial	MINICHT ICEL (CHICK) CHICK (HICK HICK HICK HICK HICK HICK HICK HICK	RECORDED TO A THOUSAND STATE OF THE STATE OF	онононо исмононочания сейми
RAW MATERIALS	(1) Newsprint.		SECONACTORISMO A REGISSIONAL SECONAL SINC TO NACIONA THROUGH ANGESTS OF THE SECONACTORISMOST SECONAL SINCE TO
	(2) Parer, paints, inks.		necessables distributions perglament and to recent principal process accommodifying the
		compensatives consequency (in a final analysis at the \$50 date; cite with \$70 consequency	
,	anderd betty as Cambur Space represents in the anguest in the anguest and professional anguest and another construction for the equivariant	sponsystem sponsory to squife operations of the state of	
PRODUCTE)	(1) Newspaper "Evening Review."	gajang kina pilana pilana kang kang kerung kerung kerung kang bang bang bang bang bang bang bang b	LOGNICOS LÁTRICOSE, QUESCOLE TRADRESSO, CONCEDENDO SE ES ACUMBION E, TRADRESS
	(2) Postcards, advertising folder	PTS.	RECEILED BY THE CONTROL OF THE BANGBACK CONTROL OF THE BANK OF THE
Avioricum		advantination are out in sometimation to the constitution of the c	and the control transference in the convergence and constitue and made constituents and constituents.
			APPARENCIAL CONTROL ON CHARLES AND CONTROL CON

Sanitary To el	ty sewers.		
*	Quantity	How Estimated	Date Sampled
Cooling	8.000 to		
Industrial	19.000 gal/day	Water Bills.	
SCRIPTION OF SEWERS	All wastes dischars	re to city sewers.	
-			

REMARKS: Large use of water for air conditioning in summer months.

Most water used for cooling, boiler make-up and sanitary purposes.

Very small amounts used to wash ink and paint from equipment.

Survey by; E. T. Ciebien.

Date June 17. 1959.

INDUSTRY LARDOR	benk Lesther Goods,	en controverse Con	COUNTY	llard.
ADDRESS _602 Vi	ctoria Ava.,	is всемомном истигомного с до чемерт комертивательного	WATERSHED NA	agara River.
-Niege:	Innenbank. Sec.	TPOSS	mu, complete salareme.  In action of the salarement of the salarem	
PLANT OPERATION Aver.	Hrs. per	mag(ArmCland)	Days per week	Plant Employees
Seasonal V		and Colombinate	COMMENT ACTUACY ACTUAL CONTROL OF ACTUAL CONTROL ACTUAL CONTROL OF	CONNECTED AND ADDRESS OF THE ADDRESS
Domestic a			Max. g.p.d.	
	Niagara Falls.	230 to 600	AND THE STATE OF THE PROPERTY	N11 мисандавари в бане голожей и выправления в технология.
Cooling Industrial	develope algoralizate observativini Comitia, ester encheschami Comitia e to comitia de sentimentami Comitia e to comi	weekly with a the construction of the Constr	quantition of the individual contribution of the individual co	GRANDONICA NEGLE ELANO, PROPRIO DE CARGO ACIÓN ACIÓN ELANOSELLOS CONSECUENCIAS CARGO ELANOSELLOS ACIÓN ACIÓN ACIÓN ELANOSELLOS CONSECUENCIAS CARGO ELANOSELLOS ACIÓN ACIÓN ACIÓN ACIÓN ELANOSELLOS ACIÓN ELANOSELLOS ACIÓN EL
RAW MATERIALS .	Leather.			
PRODUCTE	Billfolds, keycas	es, etc.	demotive is the action of an experimental of the contract of an experimental and action of an experimental and action of a contract of a contr	Chi minerifik Jilmukan Chat xuchin Kimalih odensiinid oos suu (heldo-ky suri m
Mindestrindendend	the Country of the Official or ST of Construction of the Cons		Chimiche righer agreechen Manuschung soor chimichen Fare accessor and an accessor and a functioner a second source of the second source and a function of the second source an	CONTOCUENCE ACUAÇÃO CONSTRUCTOR CONSTRUCTOR CONTOCUENCIA
Andhich abuqua		Stage See all the will associate on the text Association for the confirmed most house.	Anatomatikasin aita aris - et segün ADR-eş üncinsiç asığ SM-Cough ACR-aston göriscini	Cara X No.Com Const. Special parameters of the desired in Advance in Advance Service and Const. (Service Service Servi

Sanitary To sani	tary sewers.		
	Quantity	How Estimated	Date Sampled
Cooling	0		
Industrial	0		
DESCRIPTION OF SEWERS			

REMARKS: No industrial liquid wastes; Dry industry.

Survey by; E. T. Ciebien.

Date June 22, 1959.

INDUSTRY May Foundry Co	September 200 de la Constitució de Constitució	COUNTY We	lland
ADDRESS 2029 Clark St.	Louis and the second	WATERSHED Ni	agara River.
Niagara Falls.	complete class day, gravita on the complete complete complete complete complete complete complete complete comp	ONCO HORIZOGO POPO POPO	
PERSONNEL J. May - Owne	р. Ф. Ф. Ф. В Ф. В В В В В В В В В В В В	SCHOOLS PERMICHAN TO ANALYSING PRINCE	
	rangan allan dalambandi enginas Considerada Videndanda allan 100 et Considerada Alberta.	SIGNATURE CONTROL SCHOOL SCHOOL SCHOOL	
an indicated based as a promotion of the size of the s	programming recording the grant and programming recording the state of the section constraints.	IN ACHARITYCON CONTROL THE TIME	
meditación activo considerante such activo de indicado est, est de est	atmicroscophical paradional descharation (Carpellon Chercites (Education (Chercites (Che	SEASE TOWARD CONCLUSIONS	
PLANT OPERATION	Hrs. per day	Days per week	Plant Employees
Aver.	9		10
Max.	General Season Consideration (Consideration Consideration	consideracios agricacionicionicio discolori agrica agrica socia sagrinera	CHARLES SCHOOL OF A CLASS CONTROL AND AN ARTHUR STREET, AND ARTHUR STR
Seasonal Variation	(BARCHANG SHING) THE CONCENSION SHOULD SEE THE CONCENSION SECTION SECT	ON ACCUMENTAL CONFIDENCIAL PROGRAMMENT OF SCHOOLS OF SC	constructions of an experience of the construction of the construc
WATER SUPPLY Sour	ce Av. g.p.d	. Max. g.p.d.	Treatment
Domestic and/or Sanitary Niagar	a Falls. No meter	♠ As you before remaining a relative part value.	N11
Cooling	Conscious State (State Conscious State Conscio	DENIED AND STREET AND STREET STREET, STREET STREET, ST	CONSCIENT NAMES OF CONSCIENCES OF CONSTRUCTOR REQUIREMENT AND
Industrial	Re-incess/production/clos do production/description (Close)	MACKIN Charles spread, and Jak and Christian spread	constructions are enclosured batch delety at according
RAW MATERIALS Brass,	Bronze, Copper, Zinc.	Lead, Aluminum.	
TOTAL TOTAL TOTAL	<u>ดะคุณสะเพลงและเครื่องและสมาชิต สะเกราะตัด</u>	OHCHANI A 11 Tag of season concrete and conference of the amount of the season of the	er et en segnant er et den dan set en et de
Condition Charles Char	NET HERE THE HERE THE REAL REAL RECTARGE AND	chi administratori (Chinconi (Chincohi) chincohi chinori vi stang (minimiz), jefi u shinoti vi standi	nechninglys (Europeschescheschescheschescheschescheschesch
Contractive and Consequent Contractive Con	(Charachen Christian Roberton at Cale Par-Acta is the wift the Roberton in Christian (Christian Christian Chris	IN HE CLASS COMPANIES COMPANIES (CAMPACTOR CENTRAL PROPERTY CONTRACTOR COMPANIES CAMPACTOR CAMPA	
Tanada ang ang ang ang ang ang ang ang ang an			
PRODUCTE; Casting	Exercision recommende recomprison constituel recombing recommenders.	COANCE INCOMPLICATION OF THE COMPLICATION OF THE PROPERTY OF THE COANCE IN COANCE	on consider a time and or decided inscrimination and principles and an extension of the contract part of the contr
erme gan eighe eilean dan adar sta nephrotide (diffelien eijin et an eilean		dis. Kindanumenia Kordinian di umerhebarangi ndinish ndanulug 1809 lidinishin	
RemOte Conscious addition (Conscious conscious	RECORD RECORD AND A COMPANY OF THE PROPERTY OF	eginkoleszások, ke pölentőregés egen égite az innyán nyás egineletelősésésésésésésésésésésésésésésésésésésé	Color Print State (Print) has colored been Print Described a Color Stretcher and Color (Paris) transferred beautiful (Paris) t

	Sanitary To sanita	ry sewer.		
		Quantity	How Estimated	Date Sampled
	Cooling			
	Industrial			
DESCR	IPTION OF SEWERS			

REMARKS: Small amount of water used to moisten sand.

No industrial liquid waste.

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY Morris	Herbert,	Crane and H	loist Co.,		COUNTY _	Wella	and.	
ADDRESS 300 Star	nley Ave.	1		W	ATERSHED	Niaga	ara River.	
Niagara	Falls.							
PERSONNEL J. S.	Rossall,	President.		nar and designate				
W. Rog	erson, Wo	rks Manager						
Manage and American Street Committee	Olaring and the second			nagement light control				
PLANT OPERATION		Hrs. per d	ay	Days	per week		Plant Employe	es
Aver.		8	position		5		100 ± 15.	-
Max.				-				-
Seasonal Va	riation		,	-				-
WATER SUPPLY	Sour	се	Av. g.p.d.		Max. g.p	.d.	Treatment	į
Domestic ar Sanitary	nd/or (Niagara	Falls.	13,500		an-107-109		Nil	
Cooling	and the state of t							
Industrial								
	Associate Estimated	Bridge (H. B. Zande France)						
RAW MATERIALS	Steel, c	astiron, Ca	st iron.					entre.
-	di Supusi Orangi di a	per promount de ere						-
-								-
-	ACT CONTRACT OF STREET, AND AND STREET, AND AND STREET, AND STREET, AND STREET, AND STREET, AND STREET, AND ST				A Disease Of Late and Assess of Section 1	min administratives	ni filmu u prodinano di Hilmbara profitati di mandina	economic and the second
PRODUCTS	Material	s Handling	Equipment.					apresident to
en Condition (Inches	eg. Hoi	sts, Cranes	Fulleys.			na a reference perso		and the same of
motorphysioprop	ipoporti di							

S	anitary	To sanitary	sewers (3.000	g/day) based on 30	gal/day/person.
Ç	ooling	po	Quantity	How Estimated Water Bill.	Date Sampled
I	ndustri	al			
DESCRIP	TION OF	SEWERS All	sewers dischar	re to city sewer.	
REMARKS		r is used in:			
		in Boilers.			
		Cooling air c			
		Water backed			
	(4)	Cooling machi			
	(5)	Flush sprinkl			
		Water front 1			
	No 1	ndustrial liqu	id wastes.		

Survey by; E. T. Ciebien.

Date June 22, 1959.

INDUSTRY Nabisco Foods Ltd.	COUNTY Well	and.
ADDRESS 64 Levis Ave.	WATERSHED Nia	era River,
. Niagara Falls.	_	
PERSONNEL K. Duncan, Vice President of Production.	_	
*M. McAndrew, Personnel Manager.	_	
*V. Spironelle, Plant Superintendant,	_	
	_	
PLANT OPERATION Hrs. per day D	ays per week	Plant Employees
Aver.	5	100 days only
Max.	5	68 night shifts
Seasonal Variation	Supply of the American Company of the Company of th	Charles de Gritter valle announce and con-
WATER SUPPLY Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/or Sanitary (Niagara Falls. 39,000	46,000	N11
Cooling	And the second s	concentration of the proof of the second contration of the section.
Industrial		
( and the second		
4		
RAW MATERIALS Wheat, rice, bran.		
		Description of the second or the second of t
PRODUCTS Shredded Wheat, Shreddies, Rice F	lakes, 100% Bran.	
		Director region of the strender communication of the strend of the stren

	Sanitary	To	sani	Lari	sey	or (	5000 g	al/d	ay)	ba	sed	on 30	gal/d	isy/pe	rson	•
					Quan	tity			How	Es	tim	ated		Date :	Samp.	led
4	Cooling			34	41,	000	-	_	Wa	ter	B1	lls			<b>Malletin</b> esses	
	Industria	11		gal	L/day	7	_	_								
DESCR	IPTION OF	SEWE	RS		A11	the	wastes	fro	m	whe	at	cooking	and	kettl	e va	shing
	operation	disc	harge	to	the	city	sew=r	s.	The	re	is	a catch	bas	in to	trap	
	solids on	the	plant	501	ør.											

REMARKS: Approximately 40 batches per day of 275 gallons per batch or 11,000 gal.

of wheat cooking liquor are discharged daily.

Other grain softening and conditioning waters are lost by evaporation in drying, baking or toasting operations.

Wednesday and Friday, 4 kettles are boiled with 1,000 gallons of water each to wash them. This water is also discharged to sewers.

Survey by; E. T. Ciebien.

Date June 4, 29 , 1959.

INDUSTRY Niagara	Bronze Co.,		COUNTY	lland.
ADDRESS 497 Butt	rev St.		WATERSHED Ni	gara River.
Nisgara	Falls.		and the second	
PERSONNEL J. Baro	ett. Foremen.			
et mid pedan sational franchische Orleation an			malocifumme	
CodC-SpragDosphagDosphadbaghnad			discovered to the second secon	
PLANT OPERATION	Hrs. per	day	Days per week	Plant Employees
Aver.	-	anneg francis	5	5
Max.	No season ground in selection of measurage and			
Seasonal Vari	ation	gii Addingtini di		- «напыцияхнярыя хосонствия посторонный жистес
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/ Sanitary	or Niagara Falls.	No Meter		Nil
				terropygrapher and Chromosom Restrong Mark Angles.
				CHARLES AN ALLEGO COMMISSION TO THE CHARLES
RAW MATERIALS	Tweet Dwares			
ITAM LIVITATION	Ingot Bronze.		an gun de un't van eind de europe er	tradition of transaction of the Developing Chapter of Consideration
	mase Outpute view on all view of the other or the other			
				modelnikan prodpostovaljeni ženigo varodji rozivi rijo u djevojo očinik
Doobteams				
PRODUCTS	Custom Castings	S. B. S.	dissalarativa Chercus Charlette di medio con con ciò ciò co che cha din admara ciò ciò co c e	anniche spies annie der stepen alzume de meter menschaften des seste under meter under sehr met
Anning model throughout of the clight in the confirma-			alama ta uzar uzar izaruzi masim darrasi ipar resonalari eri mase alerbilan alerbilari bergaz era	tradition and continue to the state of the s
				and the section of the september of the section of

Sanitary To sar	itary sewer.		
	Quantity	How Estimated	Date Sampled
Cooling	60 TH 40		
Industrial			
DESCRIPTION OF SEWERS			

REMARKS: No industrial liquid waste. Small amount of water used to moisten sand.

Survey by; E. T. Ciebien.

Date June 8, 1959.

INDUSTRY Niagar	a Cut Stone.			COUN	TY We	lland.
ADDRESS 490 Bu	ttrev St.			WATER	RSHED Ni	agara River.
Niegar	a Falls.					
PERSONNEL E. Ge	ard, Sunt.			Constitution of Constitution o		
				Continue to		
#englastessouptimileso						
enellatualinepearen		magazadasad mackino Orang M. i Orang M.		ombodena.		
PLANT OPERATION	Hrs	. per daj	7	Days per	week	Plant Employees
Aver.	angonomic and a second	9	_	5		12
Max.	Fritzional		-			constructive development of the construction o
Seasonal Va	riation		_		agendostrostros	
WATER SUPPLY	Source	1	Av. g.p.d.	Max	g.p.d.	Treatment
Domestic and Sanitary	d/or Niagara Fal	ls.	19-28,000	***************************************	Oper GER SERV	Nil
Cooling	Company and adding to the contract of	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-		encommunity, planeter related to the consequence of the consequence of
Industrial			administration description (1976)	ninda atministrativa		
RAW MATERIALS	Large Stone	S.				
No.		о дано неменено не конос				
must						
PRODUCTS	Cut Stones					
	Pi S					
	3					The state of the s

	Sanitary To Sanitary Sewer.														
	Coolin			19.	uant: -28.(	000	-			dimet			Date	Sampl	ed.
DESCR	water	OF SEWE	an o	open di	itch	abou	at 200	feet	long	and	then	disch	arge	to a	
	Swampy	area.	THE	Figure	ara	une	swamp	are	BLL	n Fal	LIWay	prope	erty.		

REMARKS: The solids settle out within the length of the ditch. The effluent to the swampy area is clear. Tadpoles were seen to be living in the ditch. The solids are dredged out occassionally and piled near the plant on the railway property. Efforts are being made to sell the limestone to farmers for soil conditioning. It was believed by Mr. Geard, that an old sewer drained the swampy area and discharged the effluent to the Niagara River.

Survey by; E. T. Ciebien.

Date June 22, 1959.

INDUSTRY Niagara Dry Beverages,	COUNTY Welland.
ADDRESS 1730 Ferry St.,	WATERSHED Niagara River.
Niagara Falls.	
PERSONNEL D. McCutcheon, Branch Mgr.	
H. B. Hiles, Vice Pres. and Gen. M	gr.
R. Gasby, Plant Supt.	
Contrapting Congress agreement activates and activate a proof or beauting a direction product A 1 (2010) of the billion activates and activates activates and activates and activates an	
PLANT OPERATION Hrs. per day	Days per week Plant Employees
Aver. 8 plant. 7 office.	5 35 plant 10 office
Max.	management and the contract co
Seasonal Variation	
WATER SUPPLY Source Av. g.p.	.d. Max. g.p.d. Treatment
Domestic and/or Sanitary <u>Niagara Falls</u> . <u>15-60.0</u>	)00
Cooling	
Industrial	Millerine environment environm
RAW MATERIALS Concentrate, Carbondioxide,	Water.
the programme and the common and the programme and the programme and the common a	
PRODUCTS Carbonated Beverages.	

WASTE	DISPOSAL
-------	----------

Sa	nitary	To Sanitary Sewer	rs. ( 1.300 gal/day)	based on 30/gal/person/da
	*	Quantity	How Estimated	Date Sampled
	oling	14-60,000	Water Bills.	-
		(		
	_	70	fluent is screened for	
cha	arged to city se	wers.		
-				
No. of Concession, Name of				
REMARKS:	Approximately	10% of water cons	umption is sold as pr	oduet.
	Remainder is	used in bottle was	hing.	
	Caustic wash	solution is recycle	ed till quite dirty (	2 weeks or more)
	and dumped to	city sewers.		
	Production is	approximately 500	,000 cases averaging	288 fl. oz. per case.

(per annum)

Survey by; E. T. Ciebien.

Date June 15, 1959.

INDUSTRY Niagara	Foundry Company.	1	COUNTY Wel	land
ADDRESS 757 But	trey St.	WATERSHED Nie	gara River.	
Niagara	Falls.			
PERSONNEL Mr. Kay	ser, Flant Mgr.			
NAMES AND ADDRESS OF THE PARTY			and residence of	
en ergan terransprunten der ente			maging/displanes	
Street, or control of the street			and the second s	
PLANT OPERATION	Hrs. per	day	Days per week	Plant Employees
Aver.		augmentere	5	-
Max.	The delicacy paradite sport with a remoderate district	Cultimateria.		
Seasonal Var	riation	productions.		
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and Sanitary	/or Niagara Falls.	No Meter.	No de la companya del companya de la companya de la companya del companya de la companya del la companya de la	Nil
Cooling	Transport of the Control of the Cont		ament replanations agriculture of the China Chin	towards and proper representative and transfer and transf
Industrial	Market State of the State of th	-		
RAW MATERIALS S	erap iron, pig ir	on.		TO CONTRACT OF THE PROPERTY OF
*****				
				m (I miss can de la cale de massaciente can de la cale
PRODUCTS C	astings.			
Resident Superior State (Section 1981)				
	ž v			

Sanitary To s	anitary severs.		
	Quantity	How Estimated	Date Sampled
Cooling	and the size		
Industrial	tion the fig.		
DESCRIPTION OF SEWERS	· ·		

REMARKS: No industrial liquid wastes. Small amount of water is used to moisten sand.

Survey by; E. T. Ciebien.

Date June 9, 1959.

INDUSTRY Niaga	ra Paper Box Co	o. Ltd	COUNTY W	elland.
ADDRESS 212 P	ark St.		WATERSHED N	iagara River.
Niaga	ra Falls.			
PERSONNEL G. S.	Gostline Pres	. and Gen. Mgr.	approximate and the second and the s	
А. На	wkswell - Offic	ce Mgr.	and the same	
emoluoseaneanea			at more resulting recovers	
Constitutions				
PLANT OPERATION	Hrs.	per day	Days per week	Plant Employees
Aver.		8	5	28
Max,				report of Charles and Charles Charles Charles and Char
Seasonal Va	ariation	and many adjection and Adding Service		
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic as Sanitary	nd/or Niagara Fall	500		N11
Cooling				
Industrial				CONCORDER A SAMPLE CONTROL CONTROL CONTROL
RAW MATERIALS .	Sheet and rol	l of heavy papers	and cardboard, plas	tie.
	makkan dansa garan garan galan salam caran galan dansa gili makan dan			Conclusion of the Control Management of the American Section (Section 1997)
				COLUMN TO LO DE LO DE LOS DELOS DE LOS DE LOS DE LOS DE LOS DE LOS DE LOS DELOS DE LOS DE LOS DE LOS DELOS DE LOS DELOS DEL
			reaction of the second control of the second	directive characters along the side of the other characters along the obligate and the
PRODUCTS	Moulded plast	ic boxes.paper box	es.	
En gancino di Californi				
	*			

Sanitary To san	itary sewers.		
£	Quantity	How Estimated	Date Sampled
Cooling	With the		
Industrial			
		¥ .	* *
DESCRIPTION OF SEWERS			

REMARKS: No industrial liquid waste; Dry industry.

Survey by; E. T. Ciebien.

Date June 16, 1959.

INDUSTRYNiagara Rug Co. Ltd.,	COUNTY Welland.
ADDRESS 580 Victoria Ave	WATERSHEDNiagara River.
Niagara Falls.	
PERSONNELMr. A. Bogomolny - Sec. Tress.	
	and the contract of the contra
PLANT OPERATION Hrs. per day	Days per week Plant Employees
Aver. 9	5 35 P & O
Max.	
Seasonal Variation	
WATER SUPPLY Source Av. g	.p.d. Max. g.p.d. Treatment
Domestic and/or Sanitary Niagara Falls. 6-8,	000 Nil.
Cooling	
Industrial	
RAW MATERIALS Cloth trimmings and wastes	
PRODUCTS Braided or woven scatter r	igs of all sizes.

sanitary sewer ( 100	0 gal/day ) Based on 3	0 gal/day/person.
Quantity 5-7.000 gal/day or 10/gal/min.	How Estimated Water Bills.	Date Sampled
All wastes dischar	ges to city sewers.	
	Quantity 5-7.000 gal/day or 10/gal/min.	5-7.000 Water Bills.

REMARKS: A 300 gallon tank is used for direct dyeing. A variety of colours are used in batch-wise operations.

One 300 gallon running rinse tank serves to wash all dyed cloth. The material is span dried and then placed in a kiln for final drying. This operation averages 10 gallon/min. water consumption.

Survey by; E. T. Ciebien.

Date June 18, 1959.

100

INDUSTRY Nisgara Sheet Metal and Welding Co.,	COUNTY Wella	nd
ADDRESS 1648 Stanley St.	WATERSHED Niaga	ra River.
Niagara Falls.		
PERSONNEL M. Delduca - Owner.		
	учения	
	distribution.	
PLANT OPERATION Hrs. per day	Days per week	Plant Employees
Aver. 8	5	3 - 6
Max.		
Seasonal Variation	-	
WATER SUPPLY Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/or Sanitary Niagara Falls. No Meter.	Mail data and the control of the con	Nil
Cooling		
Industrial		
RAW MATERIALS Sheet steel, Angle iron.		
PRODUCTS Custom air ducts, and other sheet me	tal products.	
	usaka danak kudundan da umu uku uman canaka da umu canaka da uga sa utau da uga sa utau da uga sa utau da utau	and (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014)

Sanitary To s	anitary sewer.		
	Quantity	How Estimated	Date Sampled
Cooling	0		
Industrial	0		
DESCRIPTION OF SEWERS _	***		

REMARKS: No industrial liquid wastes; dry industry.

Survey by; E. T. Ciebien.

Date June 18, 1959.

industryN	Niagara Wire Weaving Co. Ltd.,					COUNTY Welland.		
ADDRESS 1	1406 Robinson St.,					WATERSHED Niegara River.		
	Niagara F	alls. P.	O. Box	58.				
PERSONNEL E	E. J. Bue	11 Pres						
<u>J</u>	J. G. Hal	lworth -	Vice Pr	es.				
_								
_								
PLANT OPERA	ATION	Hrs	. per d	ay	Days	per week	Plant Employees	
Aver.			shifts	24		5	250-300 P. A. O.	
Max.							(40 & 40 on two night shifts)	
Season	nal Varia	tion		Onlymon			OHLL 63/	
WATER SUPPL	LY	Source		Av. g.p.d.		Max. g.p.d.	Treatment	
Domest Sanita	r .agara Fal	Falls. 77-97,000				Nil		
Cooling								
Industrial								
RAW MATERIA	ALS Wir	·e.						
PRODUCTS Wire cloth for paper making machines.							professional in general and service and condition and the condition of the	
-	-							
							inalica/harmodinide-almonoulima eon uboulo-nio-almignetistatingine	

Sanitary To	sanitary sewers.		
	Quantity	How Estimated	Date Sampled
Cooling	77,000 to	Water Bills	
Industrial	97,000 g/day.		
DESCRIPTION OF SEWERS	All wastes dischar	ge to city sewers.	

REMARKS: Wire is drawn through dies to the required diameter. A large volume of water is used to cool the dies.

A 50 gallon tank of 10 %  $\rm H_{2SO}_4$  is used for pickling. This tank is dumped about once a month. A 50 gallon running rinse tank is used after the pickle operation.

Theoremainder of the water is used in Boiler-make-up and floor washing.

a shapping

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY _		Oneida Limited	COUNTY	Welland
ADDRESS		1705 Falls Avenue	WATERSHED	Niagara R.
	-	Niagara Falls		
PERSONNEL .	*	Mr. H. Perkins, Supe rintendent		
	*	Mr. Gordon Cant, Maintenance Foreman		
	*	Mr. Bill Henry, Foreman	-	
	*	Mr. Less Hoyland, Chemist	-	
PLANT OPER	ATIO	ON Hrs. per day Da	ays per week	Plant Employees
Aver.				270 - 20
Max.				
Seaso	nal	Variation		
		Source Av. g.p.d.	Max. g.p.	d. Preatment
Domes Sanit	tic ary	and/or Niagara Falls 80 to 93,000	No. de construir de la constru	Nil
Cooli	ng			
Indus	tria	al		
RAW MATERI	ALS	Sheet steel, carbon steel, nicke	l, silvere	
PRODUCTS	п	Cutlery - Holloware and flatware of:	1. Sterling	puré silver
		2. Nickel-silver		
		3. Stainless-steel		-
	g	4. Stainless blade with pl	ated carbon s	steel handle

Sanitary	To city combined	sewers	
Cooling	Quantity 80, to 93,000	How Estimated	Date Sampled
DESCRIPTION OF SEWERS	Two outfalls t	o city sewers (Bender H	111)

REMARKS:

Process wastes were sampled and report is on file.

Survey by; E. T. Ciebien

Date June 24, 1959

10.0

INDUSTRY _	Pakfold Conti	nuous Forms	Ltd.,	COUNTY	Welland.
ADDRESS	212 Park,			WATERSHED	Nisgara River.
***************************************	Niagara Falls	1.			
PERSONNEL	A. Hawkswell.	- Office M	langger.	arinda game	
				graditation.	
,	:			genellyches	
				-	
PLANT OPER	ATION	Hrs. per da	ay	Days per week	Plant Employees
Aver.		88	-	5	27
Max.			-		
Seaso	nal Variation				
WATER SUPP	LY Sour	ce	Av. g.p.d.	Max. g.p.d.	Treatment
	tic and/or ary Niaga	ra Falls.	No Meter.		
Cooli	ng				
Indus	trial				
RAW MATERI	ALS Carbon	paper, Line	ed paper.		
	the state of the s				
DDODITOMS	Contin				
PRODUCTS	Contin	uous Iorms.			

	Sanitary Tongonitary	ny nawan.		
		Quantity	How Estimated	Date Sampled
	Cooling			
	Industrial			
DESCRI	PTION OF SEWERS			
-				
-				
-				
-				
-				
_				

REMARKS: No industrial liquid waste; dry industry.

Survey by; E. T. Ciebien.

Date June 16, 1959.

# Plant 1. Industrial Waste Summary

INDUSTRY _	Provincial Eng	ineering Ltd	1.,	COUNTY	Welland.
ADDRESS _	674 Ferguson A	ve.,		WATERSHED	Niagara R.
-	Niagara Falls.			-	
PERSONNEL	*A. J. Turney	- Vice Pres	& Gen. Mgr.		
	*G. F. Hesse	- Plant Eng	ineer.	protestona	
				opt regulation X commit	
PLANT OPER	RATION	Hrs. per da	ay.	Days per week	Plant Employees
Aver	•	8	-	5	140 plant 75 office
Max.				None and the second or the second of the sec	() 011166
Seaso	onal Variation		gamma.		Considerant y angleting to a clinical de Mellong from the transport of the Constant of the Con
WATER SUP	PLY Sour	ce	Av. g.p.d.	Max. g.p.d.	Treatment
	stic and/or tary <u>Niagar</u>	a Falls.	15,500	While his providence of the standard standard standards	Nil
Cool	ing	proceedings of the contract of			executionality inconstruction devices registrational to
Indus	strial	_			
RAW MATER	IALS Steel				age amains to somewhat he dir resigned refer to appropriate and the direct
					nacion (Draidous Constitution names Devotos describis national positives 2 million (Draidous)
PRODUCTS	Steel	machinery.	overhead trave	elling cranes, mate	rials handling, etc.
	-				

WASTE	DISPOSAL
MA 52773 T T.1	LI LATE CALM

Quantity How Estimated Date S	
Cooling 9,000 Water Bill.	ampled
DESCRIPTION OF SEWERS All wastes flow to city sewers.	

# REMARKS: Water is used for:

- (1) cooling machinery.
- (2) air compressor.
- (3) air conditioners.
- (4) Boiler make-up.

No industrial liquid wastes.

Survey by; E. T. Ciebien.

Date June 18, 1959.

INDUSTRY F. W.	Roberts Mfg. Co. Ltd	•,	COUNTY	Welland.
ADDRESS 473 B	duttrey St.,		WATERSHED Niag	ara River.
Niaga	ra Falls.		_	
PERSONNEL I. R.	Zimserman, - Plant M	gr.	-	
			- · -	
No.			-	
PLANT OPERATION	Hrs. per day	r D	ays per week	Plant Employees
Aver.	- 8		5	5
Max.		-		
Seasonal Va	ariation			
WATER SUPPLY	Source A	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic ar Sanitary	nd/or Niagara Falls.	1,200	1,500	Nil
Cooling				
Industrial	Indexesperature de la constitución			
RAW MATERIALS	Steel, aluminum, ca	astiron.	and the second s	in particular additional particular of the control
-			***************************************	
-				and and acustical personal ferrom alternative action of the special respective and security and security and security and security actions are security as a security and security and security actions are security as a security and security actions are security as a security and security actions are security as a security action and security actions are security as a security action and security actions are security as a security action and security actions are security as a security action and security actions are security as a security action and security actions are security as a security action and security actions are security as a security action
PRODUCTS	Pulp and Paper Mill	Supplies; eg.	burrs, holders,	forks, etc.
			1	

3 gal/min.

No industrial liquid wastes.

San	itary To sani	tary sewer.		
			How Estimated	Date Sampled
Coo	ling _	1,300 gal/day	Water Bill.	
Ind	ustrial _			
DESCRIPTI	ON OF SEWERS			
-				
REMARKS:	Water is used as	a coolant in an of	il quench bath. Based	10 1 10x
	on the water b	ill, the flow in th	ne cooling operation i	a long themil

Survey by; E. T. Ciebien.

Date June 9, 1959.

industry _	Spirella Co. c	of Canada L	td.		COUNTY	Welland.
ADDRESS	1700 Lewis St.			W	ATERSHED	Nisgara River.
	Niagara Palls.					
PERSONNEL	E. Galley - Pl	ent Mer.				
				-		
				aption/hydrone		
PLANT OPER	RATION	Hrs. per d	lay	Days	per week	Plant Employees
Aver.		8			5	42 Plent 7 Office.
Max.						ments and operate the street of order of operations
Seaso	onal Variation		adaginus			
WATER SUPP	PLY Sour	ce	Av. g.p.d.		Max. g.p.d.	Treatment
	stic and/or tary <u>Niasar</u>	a Falls.	800 - 1200			
Cooli	ing			-		
Indus	strial			-		
RAW MATER	IALS Cloth.	elastic, st	teel stays, pis	no wir	°e	
	Security of the contract of the Original consulting of the					
	-					
PRODUCTS	Corsets					
	JOE STEE	A				
	Ĭ					

WASTE	DISPOSAL
-------	----------

S	Sanitary To sanitary sewer. (800 to 1200 gal/day) Water bills.				
		Quantity	How Estimated	Date Sampled	
· C	Cooling	0			
I	Industrial	0			
DESCRIP	TION OF SEWERS				
-					
-					
_					
-					
-					

REMARKS: No industrial liquid wastes; dry industry.

Survey by;  $E_*$  T. Ciebien.

DateJune 15, 1959,

industry _	Zippo Mfg. Co.	(Can) Ltd.			COUNTY	land
ADDRESS	2152 Allen St.				MATERSHED Nia	gara River.
Association	Niagara Falls.					
PERSONNEL	R. C. Barber -	Executive	Vice President	•		
	1					*
PLANT OPER	ATION	Hrs. per da	ay	Days	per week	Plant Employees
Aver.		8	-		5	15 ± 5
Max.		8	_		5	25
Seaso	nal Variation		_			
WATER SUPP	LY Sour	ce	Av. g.p.d.		Max. g.p.d.	Treatment
Domes Sanit	tic and/or ary Niagar	a Falls.	No Meter			
Cooli	ng					
Indus	trial					
RAW MATERI	ALS Steel.	brass. cot	ton. felt. asb	est <b>e</b> s	<u>.</u>	
	annute of transport confidence (seeing at least to					
	Window County in Advantage of Constraints					
PRODUCTS	Cigare	tte lighter			Questioned invanion considerations; three City, the IEE collected in about	and a transport and a state of a state of the state of th
						endors - an abrahamina tronsmita di manufacili menda administrativa.  /

Sa	Sanitary To sanitary sewer.				
		Quantity	How Estimated	Date Sampled	
Co	oling				
In	dustrial				
DESCRIPT	ION OF SEWERS All	vastes discharge t	o city sewers.		

REMARKS: A small tank 10 - 15 gallons of chemicals including saltpetre, sodium ferric chloride is used to etch patterns on the sides of the lighters.

A 15 gallon running rinse tank is also used.

The small tank is land dumped for disposal, the running rinse discharges to sanitary sewer.

ψ.

Survey by; E. T. Ciebien.

Date June 23, 1959.

INDUSTRY	Atlas Steel	s Ltd.	,	era instrumentone	COUNTY We	lland		_
ADDRESS	North of Ma	jor St. We	elland east of		WATERSHED	Wella	nd River	-
***	Canal							
PERSONNEL	Mr. O. J. Z	anatta, Ut	tilities Engine	egr*	•			
	Mr. P. B. M	lacKenzie,	Combustion Eng	gineer'	N-			
	Mr. F. Nobl	e, Instru	ment Mechanic*					
	Mr. W. Shis	ler, Insti	rument Mechanic	3*				
PLANT OPERATI	ON .	Hrs. per	day	Days	per week	1	Plant Emp	ployees
Aver.		24			7	-	2,140	
Max.						_1	.240 day	shift
Seasonal	Variation		E INDUSTRIANE			9	000 night	; shift
WATER SUPPLY	Source	e	Av. g.p.d.		Max. g.p.	d.	Trea	tment
Domestic Sanitary	the same of the sa		263,000				nil	
Cooling	Welland	Canal	10,000,000	,		(majorina)	nil	
Industri	al					<u>,</u> , ,		-
RAW MATERIALS	Vario	ous requir	ements of Ni.	Vo. Mn.	Mo. Si.	d. P. S	and Cr	
	for allo	wing and	processing ste	els				
	gal of: I	L SO4, 81,0	000: HNO <sub>3</sub> 54.0	00: H <sub>2</sub>	F. 840: HC	1 1,770	):	
	1b. of: 1	NaOH 290,00	00: Virgo Salt	234.0	00 CaC <sub>2</sub> 30	3,000	per year	processoration desire.
PRODUCTS	Allow s	steels, st	ainless, tool	in she	ets, rod b	ars, ti	ıbes	
	and wires							
Aport Mespine								

Sanitary To Crowland storm sewers to Welland River

Quantity How Estimated Date Sampled

Cooling 8,900,000 company data June 11, 1959

Industrial 20,900,000 company data June 11, 1959

DESCRIPTION OF SEWERS (1) Township sewer 30" concrete accepts most of the plant wastes for discharge to Welland River - becomes a 36" brick wewer on crossing company property to north east. (11) A 42" brick sewer (Twp.) accepts few floor drains and storm water overflow of the 36" sewer. (111) an 18" sewer serves the south plant discharges to 20" sewer at the end of Patterson Street heading for the Welland River

#### REMARKS:

No figures for pounds of pollutants per day could be calculated as the wastes were discharged to and sampled after dilution in the Crowland sewers. The effect on the Crowland 36" brick sewer was

B.O.D. 17 down to 10 ppm Solids 30 up to 106 ppm Iron 6 up to 22 ppm

very little effect on pH, phenol, chrome, and alkalinity. See report of August 27-28, 1957.

Survey by: F. J. Dart

Date June 11th, 1959

INDUSTRY _Can	ada Foundries & For	gings Itd.	COUNTY Weller	A CONTRACTOR CONTRACTO
ADDRESSCan	eds Forge Plant,		WATERSHED	Hand Biver.
Kin	g St.		2000 Charles Charles	
PERSONNEL Mr	. A. L. Dean, Gener	el Menager.	go. at long limit Smith	
Me	. J. T. Gerdner, St	perintendent C.F	Plent.*	
among work	1	Charles and the control of the contr		
modercusto		Constituted the Constitute of	On a Charles	
PLANT OPERATIO	ON Hrs. pe	er day	Days per week	Plant Employees
Aver.	9	QR actionCount PrefChildC		
Max.	Menor Character of Control of Con	фицеринализенняйния	оминисы АСИ-Синстикай басинде дамерт наск церна	temOREDeschladordas piecostolistos directivos procesos de la composição de
Seasonal	Variation	SCHOOL SHOULD INCOME. SHOW	No. 42 MC MICH. 465 MAY MAY STOCKED AND CONCRETE CONCRETE ON THE STOCKED AND CONCRETE	CHARLE SCHOOLSCH
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic Sanitary			NA SCHOOL CONSTRUCTION OF THE PROPERTY AND	www.Quegoughan.com/2 Sakstando-Indones tando 4 Emillionic
Cooling	Welland	modernations personal residence in the	designación aprincipación con constructivo presperior an	CONSIDERATION CONTRACTOR OF CONTRACTOR AND ADDRESS OF CONTRACTOR AND A
Industria	11	designation of the state of the	WHICH CHICANISM SCHOOL FIRST PROCESSORS (CHICANISM)	GOVERNMENT CONTROL TO A STATE OF THE STATE O
Total		90,000	100,000	Nil.
RAW MATERIALS	Steel and steel	alloys.	LOAN LONG, TO WARRENGO HIS DIEGO HIS DONG O' HIS DIEGO HIS DONG DANG O HIGH STORE, THE	eting transport Carecon phosps; he che alche Homophungsbungstät, Alsaberahlakket Ale
	помейней меринай подинай подинай на предоставлений подинай под	ednegos sala segunica segunicas segunicas estancianicas salas electricas con compression con conscientivos con	cits (Clausic No. Clausic Anticologic Anti	encitor of the transconnegional sale of the diameter annother convenience differential residence.
		Que arigos agrinos grançãos externacións al granda de la Constituida de Constitui		подмера кульбій бунком Дипінов почности Отконцій колоку 1000
			cus systemateric compared and song securification demonstrated and demonstrated and an action of the contract	hadowakiandhathadh Similpini, adhistorio adh
PRODUCTE)	Steel castings &	forgings.	egungan gangsangangan gangsan philipsan an makanahan dan akha da Masadi na Gangkan (an	
eraprase dr			County for County County County or Spring to state County	tender. After a triad based triad of chrysler's broaders from 1944 (Self) (Self

Sanitary	Sanitary Municipal sever to Welland River.					
		How Estimated				
Cooling	90,000	Water bill.	None.			
Industrial						
DESCRIPTION OF SEWERS	Welland senitary s	ewer to Welland River.				
			-			
			THE RESERVE OF THE PERSON NAMED IN COLUMN 1997			

REMARKS: One of two plants.

Canada Forge and Drop Forge - on another data sheet.

Plants used water only for cooling and quenching.

Survey by; F. J. Dart.

Date June 16, 1959.

INDUSTRYCana	da Foundries & Fo	orgings Ltd.,	COUNTY Well:	and
ADDRESS Drop	Forge Plant.		WATERSHED Well	land River.
Majo	r St., Welland.		DECEMBER OF THE PROPERTY OF TH	
PERSONNEL Mr	J. T. Gardner -	Supt. of Canada F	orge Plant.	
			OLIGO-GINERADO	
			Camping Wall Camping	
mind migration of			Co-Walland Company	
PLANT OPERATION	Hrs. p	er day	Days per week	Plant Employees
Aver.		8	5	150.
Max.	Section Company and and	was and the first feel man		discharge displayed in the Control of the Control o
Seasonal V	ariation	majorichael schriche	ear of and earty continued and glover the continued and are an articles.	Country, and produce the Country and the Count
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	nd/or Welland.	mental region delicità a li De-mini regionali institutione	are stores Contribution contribution and surface space.	Nil.
Cooling	Wellard	enaction of the submitted of the Confidence and		
Industrial		NAMES OF THE PROPERTY OF THE P	COMPANY SERVICE AND	CONNECTION OF AN AND REQUIREMENT AND RECORD OF A STATE OF THE STATE OF
Total		40,000	59,000	Nil.
RAW MATERIALS	Steel. & Steel	alleys.		echachough incomean agus cá schí schíorthau ghachlachtag achtag agus agus a
		A activações anio responso comprimento escriber dos terros como como como como como como como co		
		pangan pilan melangkan generapa menangan Camatan Camat		
DPANIfeme:	Storl acctings	& foreines.	ngang bir dan Chin Ching Ni China hamilini sana pangangkan tang Na 40 ki Ching Na Ching Na Ching Na	
I III	Steel Castings	W 1 V4 E A 15 7	spanistin des Chercheda i Cherchestell standard anthe angle (A. 1974 and A. 19	ender one of a company of the compan
	Continued - High Official and a Conceasing and a Conceasi	gannet freedominations (as at faire frame) and facult consider 44.5 and facultification (Association)		agangganCan atau di arcanda arcan ann dhaganning agus ann ann ann dh
And Control of the Co		uma gaganag had hagga salandhara hara sadharadhari chi chi afir widar Ch		na. Lanut, trond, statick von klaimen mage 1 de Levenschie, 40 km (Lanut, prospiere aptiment, prospiere abbeste

	Quantity	How Estimated	Date Sample
Cooling	45,000	Water bill.	
Industrial			
IPTION OF SEWERS			
IPTION OF SEWERS			

REMARKS: Only cooling and quenching water.

One of two plants.

Canada Forge Plant.

Drop Forge Plant.

Survey by; F. J. Dart.

Date June 16, 1959.

INDUSTRY Domini	DUSTRY Dominion Yarns Ltd.			COUNTY Welland.		
ADDRESS 142 E	mpire St.,		WATERS	SHED Well	and River.	
Wellar	nd		adar dinabasan sandarina			
PERSONNEL Mr. C	lement, Manage	F.*	on (January Transform Caree)Caree(Caree)Caree			
		enciassionschafte Könsternobelpheiter zur sein zweichelpheiter son en deutscheiterscheite Woldende Weis Bestelpheiter der Könste				
PLANT OPERATION	Hrs.	per day	Days per v	veek	Plant Employees	
Aver.	Name of Street, Street	8	5		130	
Max.	CONTROL STATE STAT	near services (introductive interference	Constitution of Contract and Co	Machines (APPMI)		
Seasonal Va	riation	ономощения почени	the all and health a state of the CV explanation expenses.	acoustical and a second	бынбь идировальноў формального баластиком финосолого	
WATER SUPPLY	Source	Av. g.p.d	. Max.	g.p.d.	Treatment	
Domestic an Sanitary	d/or Welland	No meter	E to bear company comm		1111	
Cooling			no material annual services		Consideration and Edition deviction Considerates Assemble (Marie 1)	
Industrial		tion become the contract of th	nary management in		текспестите инсимпенионного совтему и стей тех	
RAW MATERIALS _	Cotton lales.	magan administration de maganistra des rechniques que comação de maganistra de		nii Madirinii waliona mayana Yeely nii	LONGO-CHOI SON MONOR PRODUCTION CHIPMONOTHIS	
-			escensia ada como regim girmalina (militarina diselectiva di diselectiva di diselectiva diselectiva diselectiva diselectiva diselectiva di	and the state of t	on from Constitution Constitution and Artifacture Constitution accommodification and	
-					ne (Christian Christian in Achter) mag merina (Christian Shire Shire	
_				and an Osmania Comp. Service of the Comp.		
PRODUCING	Cotton thread	, yarns and towe.	lling.	ACTION OF A PARTY CANCER OF	andre Jilmana (kanpais Medinathi Shaalip Mitaas ka (Shigina) ka Mit	
-			k diamendonica devisiones principas diagnosimita		неджеского може в вестичных выполнения в причения в при	
And the constitution of		en de sentral de la companya de la c		MACA STREET, STATE OF THE STATE	erectus derectus successorus. Diesta estas, at mecha-tire artiesid inatiesid matematikanti	

Sanitary Sani	tary sever of Wells	nd to Welland River.	
		How Estimated	
Cooling			
Industrial			
ESCRIPTION OF SEWERS	77.9		

REMARKS: Dry industry.

Survey by; F. J. Dart.

Date June 16, 1959.

	al Tire Co Lto	t, Welland	COUNTY Well	and River
		Engineer Safety Pump room attend	9	
PLANT OPERATION	Hrs. pe	er day	Days per week	Plant Employees
Aver.	2,	4	5	650
Seasonal Va				
WATER SUPPLY  Domestic and Sanitary  Cooling	Welland Welland	Av. g.p.d.	Max. g.p.d.	reatment nil
Industrial <b>Total</b>	Welland	410,000	440,000	nil
RAW MATERIALS	Varying qua	lities and quanti	ties of crude rubber	, plastics etc.
PRODUCTS			s, plastic knobs, pla	
mold	lings and tubes,	electrical insul	Lator components etc.	

	Sanitary	sam cary sewer co	AGTTWEET WIAGT.		
		Quantity	How Estimated	Date Sampled	
	Cooling		)	June 16, 1959	
	Industrial				
	Total	410,000		*	
DESCR	IPTION OF SEWERS	One drain services	the north building co	ntaining mainly the	over-
	flow from extrusion	cooling system			
		The main sewer serv	ices the hydraulic pum	p water overflow	
	machine shop etc. 1	ocated outside the	pump room		
,					
		_			

REMARKS:

No noticeable contamination occurs from

- floor drainage
- hydraulic press water
- extrusion cooling water

Samples preserved and analysed for phenol gave negative results in spite of the fact that many phenolic substances are used by the plant. This is to be rechecked at a future date.

Survey by; F. J. Dart

Date June 16th, 1959

INDUSTRY Plym	outh Cordage Co.	Ltd.	COUNTY Welland.			
ADDRESS 229	Plymouth Rd.,		WATERSHED V	Welland River.		
Well	and.		MACCO AND			
PERSONNEL Mr.	A. C. Tibbits,	Manager.*	n. A Constantinum			
Mr.	G. A. Bennett,	Asst. Manager.	а иби-обписано			
anticlass for active and the		ngiyayi kana kanginanya ngiyayakan dana giban magidan magidan kana mada sida sida sida sida sida sida sida s	DECEMBER SAME			
enderdangereen			a, condanion			
PLANT OPERATION	Hrs. 1	per day	Days per week	Plant Employees		
Aver.		8	5	250.		
Max.			Name (Section Control of Control	Street, and the street of the street, the street of the st		
Seasonal V		oderadoraj iraz hazirradirad	MANAGERAÇIA (CANCHAS MINICHISTRAMIA (MINICHISCO MICHISTRAMIA)	take() In() and (init) limits and and real real real conditions of the desired and one of the desired and the		
o caso o i ca	The second secon	ACCORDING TO SERVICE OF SERVICE O	The state of the s			
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment		
Domestic a Sanitary	und/or Welland	Management and Analysis and Analysis (Management Analysis)		employed related Performance Constant & Resident		
Cooling	Welland	MERCEN STREET, CONTINUE AND CON	description and descriptions agree on the contract of the contract of the			
Industrial	Welland	Managina April (2004) A SCA A CONTROL CONTROL	salactory parameters activated and an extension of the section of			
Total		5000	6000	Nil		
RAW MATERIALS	Manila, sisel,	hemp, synthetics.				
	Matter Company Company Company Company Company Company		ČIL KOMICOVICOV VIENNILIMI INNIČIMI ERIOLIMI ERIOLIMI INNIČIMI (I I I I I I I I I I I I I I I I I I			
				on a secondario considerações com a Sensiona (com a para de meta meta meta meta meta meta meta met		
			-			
PRADIICAL)	Ropes and cord	s from raw materia	ls.	encolor speciales a Celebration Communication (Article-splink) accomplication (Celebration Committee) and Celebration (Celebra		
Anni Compressionapho		er Career Printer recovered, and year of printer year (Career Yau Career for the reconstruction of the African Street				
#med temperature com		mag. Journal 20 mol China (China China Chi	National dissolved in CN 1651 CM 4 CM 1651 CM			

Sanitary To sani	tary sever to Wel	land Canal.	
	Quantity	How Estimated	Date Sampled
Cooling	5000	Water bill	our gan
Industrial			
DESCRIPTION OF SEWERS	ll wastes to sani	tary sewer to Welland	River.

REMARKS: Only industrial uses of water aside from cooling are the moisturizing of certain rope weaves and for fire protection.

Survey by; F. J. Dart

Date June 10th, 1959

INDUSTRY Natio	nal Textil	Les Ltd.			COUNTY Wel	land.	_
ADDRESS 31 A1	exander St	t.,			WATERSHED W	elland River	-
Wella	nd.			Transport			
PERSONNEL Mr.	W. S. McIr	ntyre - Man	ager.*				
				aco-scienat/mo			
endado-desarraba			HEIDE DONLOND HOUSE COMBON COM				
PLANT OPERATION		Hrs. per d	ay	Days	s per week	Plant En	ployees
Aver.	9	88	mm(check)	-		60	METALE AND PROPERTY OF THE
Max.	a		neathern		исиулиой исичения ублис	OBSCINEDAGES MENOSES	NA CONTRACTOR OF ST
Seasonal Va	ariation		programme	No allugated to	All contents and the second property of the second contents.	counts. Manufactured and Constitution	
WATER SUPPLY			Av. g.p.d.		Max. g.p.d.	Tre	ıtment
Domestic ar Sanitary	nd/or Welland	construction and the	No meter		are given Communication on an extension of the contract terms	Nil	MODIFIED THE CONTRACT FOR COME.
Cooling	The state of the s	CONCERNION COM	MAKAMAN PARAMAN PARAMA		CHARLES AND ADMINISTRATION OF THE PROPERTY OF		инумациясы афтисаналар
Industrial		Manacana de Caracana de Caraca	Name and Address of the Contract Contra				
RAW MATERIALS	Cotton as	nd other fi	nished materi	als.			engonoglosgovialnia mitroscovia
			parameteria scientira di sectora (in condinioni de se			Disconnected (Interconduction and Nation)	
				at complement with the			матогонательств
PRODUCTIC:	Tailored	standard o	eut work cloth	es.			
unan de diferen					a grand and a gran	Communication of the Communica	
						Complete Directory provides a complete and provides and a complete	man, men min mel mend servici s

Sanitary Sanitary	sewer to Welland	River.	
	Quantity	How Estimated	Date Sampled
Cooling			1460
Industrial			
DESCRIPTION OF SEWERS			

REMARKS: No laundrying either - strictly tailoring - dry industry.

Survey by; F. J. Dart.

Date June 15, 1959.

INDUSTRY Rel	iance Electric	& Engineering (Gan)	Itd., COUNTY Wells	nd
ADDRESS Den	iston & Water S	ES 4 de marie de comparte d	WATERSHED Was	land River.
Wel	land.		оцианаливни	
PERSONNEL Mr.	J. J. Hudson -	Manager.*	ghusing directions	
Mr.	D. Little - Pl	ent Engineer.*	acts approximate the second se	
Mr.	C.E. Kir sley	- Plant Supt.*	Conscious place; years	
Andatosphol		enade accessos (Completes Describes (David Ama) constructivos Completes Completes Completes (David Ama) en 198		
PLANT OPERATIO	N Hrs.	per day	Days per week	Plant Employees
Aver.	manuscrick-th	8		300
Max.	monopored	16	anamenta at security traditional design with spirits	
Seasonal	Variation	nazmonijestanje stretena	WHEELERS ASSESSED FOR STREET STREET	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic Sanitary	and/or Welland	ment and an appropriate of the state of the		months and a state of the filter of the filt
Cooling	Welland	mar enducate construction and constructi	enadine, disclosofos aprica concumidancio esta est	
Industria	l Welland	Managina Association (or reconstruction construction)	MINISTER SERVICE CONTRACTOR AND	
Total		2100	3100	NAT
RAW MATERIALS	Iron alloys,	copper wire etc.	AND THE COMMUNICATION CONTRACTORS AND A SIZE WITH THE COMMUNICATION CONTRACTORS AND A SIZE OF SIZE AND A SIZE OF SIZE OF SIZE AND A SIZE OF SI	e KOSIA KINING KINIGONIGE HOUNG ENCHHOOM FOILL GAN HOUG EN ÉIRE ÉIRE ÉIRE ÓN GON BOING Ó LA
	Martin Opençus Çen Qualque direncia esta que formiça estre est			tomical wider 63 H 45 treatments long band 24 starting treatment and commenced treatment.
				the confine or quality of the said or the devices of the said of t
PRODUCE;	Motors AC & D	C, transformers.		
Modernoughes				

LEACHMEN	DICTOROGAT
WASTE	DISPOSAL

Sanitary	To sanita	ry sewer t	o Welland	River.				
		Quantity		How Est	imated	Ι	Date S	Sampled
Cooling	-	2100		Water	bill	-		
Industria	1 _	small						
			ŧ					
DESCRIPTION OF	SEWERS All	wastes to	sanitary	sewer.				
				1				
							1	

REMARKS: Only industrial water waste is an alkaline cleaner for degreasing.

Survey by; F. J. Dart.

Date June 10, 1959.

INDUSTRY	Switson Industrie	s Limited	COUNTY _	Welland
ADDRESS	201 Major Street		WATERSHED	Welland R.
Percent and Constitute Constituted in	Welland			
PERSONNEL Mr.	. L. Hudson, Presi	dent	un a marchael hann	
* Mr	. W. T. Gunning, S	ecTreas.		
# Mr	J. Finlayson, Pl	ant Engineer	·	
- Care Sangarage				
<del></del>				
PLANT OPERATION	W Hrs. pe	er day	Days per week	Plant Employees
Aver.	8		5	200 🖢 10
Max.				
Seasonal V	Variation	Closed for 2 wee	ks vacation in s	ummer
LIAMED CHODIN	G		Mar a n	d. Treatment
	Source	Av. g.p.d.	rax. g.p.	.d. Heatment
Domestic a Sanitary		6,000		N11
Cooling	City	7,000		11
Industria	City	7,000	2.	
		T. 20,000	4	
Total	per annum 5,000,0	000 Est. from 195	8 consumption of	4761,000
RAW MATERIALS	steel, die	castings, plasti	c, rubber, cloth	, tubing etc.
PRODUCTES	Vacuum cleaners, f	Cloor polishers,	small motors, ga	s heaters,
	furnaces, tools ar	nd machines		
( )	T Company		1463	

Sani	itary	to city a	sewers (	6,000 g/da	y Es	st. 30 g	/person	n)	
		я –	Quantit	У	How E	stimated	1	Date	e Sampled
Cool	ling		7,000		Vis	ıal	1		
Indu	strial		7,000		Sub	tract			
						*		lle gi	
DESCRIPTIO	ON OF SEWE	ers	The plan	t has two	working	g areas	on oppo	osite	sides
	of the s	treet, b	oth areas	discharge	their	wastes	to cit	y sewe	ers
-					, i				
REMARKS:		Wastes :	include:	*					
		1.		g operation					
					JIIO				
		3.	degrea			000000			
		4.			r comprico deg	reaser			
	F.1 .	5.	spray	paint boo	ths				

Survey by; E. T. Ciebien

Date July 8th, 1959

INDUSTRY United Steel Corp. Ltd. (Mes	ad-Morrison),	COUNTY	The state of the s
ADDRESS 317 King St.		WATERSHED	Welland River.
PERSONNEL Mr. H. LeBel - Manager.*  Mr. Zanitz - Engineering Dep	Ching and assignment specifying the China are solder after a fine of more a		
Mr. Goodman - Shop. Supt.			
PLANT OPERATION Hrs. per day	. :	Days per week	Plant Employees
Aver. 8		5	lawach schwickland in without home problems completed with the chief
Max.			connect and constituted and produced and analysis of any descriptions
Seasonal Variation		A STACHES ASSESSMENT ASSESSMENT ASSESSMENT	CHROLY RESPECTATIONS INCLINES and part (meet) and part (meet) and part (meet)
WATER SUPPLY Source A	v. g.p.d.	Max. g.p.	d. Treatment
Domestic and/or Sanitary Welland	operação de maio como diferente e e e e e e e e e e e e e e e e e e	to light Displace/resources and reconstitution of	Transcoactified include Transcoact Action constitute Products
Cooling Welland		constructive country of the school of the state of	
Industrial	финфициализминисти		COLADORE UNICONO INCOMENDADORE COLORO
14.	400	15,700	Nil
RAW MATERIALS Steel beam, girders, and			
			representation and the construction of the con
PRODUCTE: Contractor's Heave Machi	nery & Equipm	O 10 through secretaris active conscious constructions and	
	COMPANY SHARE SOME HER SHARE SHARE STATE SHARE S		actions Constructed to Long Service accomplished as the Probability of Automotion Construction Construction Con-
40-42 articles refusely refusely refusely in the flore flore flore the company or an unique company or an unit has been the case that	nel tamon la litterary, anno air homaterarism air ann air ann an Aireann ann air ann air ann air ann air ann a Tha ann aireann ann ann ann ann ann ann ann ann ann		acons dir HOrascona, Dinic 2016 (Prosch and Prosch and Albertaneck) Alpend barrier at past and cast classical
*			

Sanitary Sanita	ry Sewer to Welland	River.	
	Quantity	How Estimated	Date Sampled
Cooling	12,000	Water bill	
Industrial			***************************************
SCRIPTION OF SEWERS	Welland sanitary s	ewers to Welland River	•
***************************************			

REMARKS: Occasional nitriding with potassium cyanide (KCN) is done. It is rarely used - 100# of KCN not being changed for at least five years. Articles rinsed after nitriding would add some cyanide to their wastes.

Survey by; F. J. Dart.

Date June 11, 1959.

INDUSTRY Wabas	so Cotton C	o., Ltd.	(Empire Div	.) COUNTY Wells	nd
ADDRESS Hag	gar Street,	Welland		WATERSHED Wel	land River
PERSONNEL Mr.	R. Seyler,	Plant En	gineer *		
j				and the state of t	
PLANT OPERATION		. per da	y	Days per week	Plant Employees
Aver.	and control	24	-	5	750
Max.			_		
Seasonal Var	riation		-		
WATER SUPPLY	Source		Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and Sanitary	or Welland	96 II N			nil
Cooling	Welland				nil
Industrial	Welland			-	nil
Total			251,000	266,000	nil
RAW MATERIALS	Cotton,	lyes, sta	arch, deterge	nts, acetic acid, Cu	ISO <sub>4</sub>
	NH <sub>4</sub> OH, H <sub>2</sub>	S, and	SO3, NaCl		
PRODUCTS	Finished	d cotton	fabrics		
	And the second s				
					Omero (morphodes) limita um ajo Donilo ejedentinisticatori
	,				

Sanitary	To sanitary sewer	to Welland River	
Cooling & humidifying dye Industrial dyes 3 dye rinses Starch solution	Quantity 240,000 40 7,200 20	How Estimated  Difference  Estimate  Rough calc. Estimate	June 10, 1959 June 10, 1959 June 10, 1959
DESCRIPTION OF SEWERS _	To sanitary s	ewer to Welland River	
dy dy dy	es e rinse #1 e rinse #2 e rinse #3 arch solution Total	B.O.D./day  37.5 lb. 42.2 lb8 lb.  40 lb.  84.5 lb.	solids/day  198 lb. 221 lb. 4 lb. 51.2

Survey by; F. J. Dart

Date June 110th, 1959

INDUSTRY	Welland El	ectric Stee	el Foundry Ltd.	COUNTY	Welland	METATORICAL SEPTEMBER SEPT
ADDRESS	123 Victoria St.				Welland	R.
		Welland		acconductors.		
PERSONNEL	Mr. H. E.	Davidson,	President	at Anna Street Commit		
	* Mr. J. Ber	mett, Supe	erintendent	g ir conscione		
	)					
and the same of th			Annual Case Case (Commission Commission Case Case Case Case Case Case Case Case			
PLANT OPERAT	ION	Hrs. per	day	Days per week	k Pla	ant Employees
Aver.		9		5		80 - 10
Max.			-	company of the last tree from the company of the last	-	
Seasona	l Variation	N11	OF ACAPTEC STREET	No. of State and Associated Print, Associated State Constitution and		
WATER SUPPLY	Sour	ce	Av. g.p.d.	Max. g.	p.d.	Treatment
Domestic Sanitary	and/orcity		82,500 (tot	al)		
South Conf.	}		March 1000 about 8 year own days for them	William Complete Communication of the		
Cooling	,	Designation of the Contract of				
Industr	ial		Annual Property of the second distribution of th			
			20,577,800 ga	llons in 1958		
RAW MATERIALS	ss	erap and v	irgin metals			
	_					
PRODUCTE)	Α	lloy and c	arbon steel cas	tings	OH A BEN AND THE COMMON TO SERVICE AND THE COMMON SERVICE AND THE CO	
, medicina						

	San	itary	-	1	ю а	ity s	ewer	(2,4	100	galle	m/day	Est	• 30	g/pers	on)	
		ling ustri	al		-	Quan;	tity 00	-			Estim	bill		Date	Samp	Led
DESCRI				200			,							h basi		
_		old a	severs	carr	y 8	anita	ry wa	stes	and	l some	cool	ing wa	ters.			
_		Both	connec	st to	th	e one	comb	ined	cit	y sen	/0r.					
-																
_																-
-						-										
REMARK	s:		Compar	ny ne	ed	cooli	ng we	ters	for	(1)	) 3 w	elding	unit	s		
										(2)	) Air	compr	essor	rs		
										(3)	) Arc	furna	ces			
										(4)		ealing		tanks x 7*) x 4*)	dum	ped once

Survey by; E. T. Ciebien

Date July 8th, 1959

INDUSTRY Well	and Iron & Brass	Works Itd.,	COUNTY Wells	and.
ADDRESS	Victoria St.,		WATERSHED We	lland River.
- Well	and.			
PERSONNEL ME	J. H. Gidrey - I	lant Supt.*	Augmentanies	
and the same			udon-deviceme	
the Charles of the Charles			INCLUSION STREET, STRE	
-		en compression de la		
PLANT OPERATION	Hrs.	per day	Days per week	Plant Employees
Aver.	-	8	Annel Construction Transaction Registrates (Westernances) regard as	30
Max.	Sent and project Control		CONTRACTOR	
Seasonal V	Variation	monotona stream	on approach and related his construction and their	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	and/or Welland	280	tal bar polymographic motor of hotelesses	Nil
Cooling				Annabascured agreechestor constructs of microscopics
Industrial		Security experience in construction of the Committee		
RAW MATERIALS	Metal alloys	mostly non-ferrous	s. Molding sand.	
				načen žitri di translani) sudganaj, podar namejarnoj protizin njenejski djenetim se
			an consista a transportar compressiones reconstruction of the Absolute value of the Children	
TO 0.3312 118 1				
PRODUCTE;	Castings.		and the Company of th	
-		des Camação está restruidade dos estabencias activadas está restruidade de Produce de Produce de Produce de Pr		:
-		companied a section of the Companies about the self-section of the Companies and the section of		na Directional desirated has constructed all pass of the constructions of the Construction of the Construction

Sanitary To.s	anitary sewer to	Welland River.	
	Quantity	How Estimated	d Date Sampled
Cooling			
Industrial			
Total	280.	Water bill	
			والمعارفة
-			

REMARKS: Dry industry - some water used to moisturize sand mold to 5% moisture for castings.

Survey by; F. J. Dart.

Date June 10, 1959.

INDUSTRY Whiting Corp. (Canada	) Itd.,	COUNTY Wells	pd. granaman concernsons
ADDRESS		WATERSHED WATERSHED	land Elver.
- Wellend.		accusomore.	
PERSONNEL Mr. E. H. M. Storey	Manager *	udinicalisme.	
Mr. R. Epps . Order B	lept	nder kallenderne	
	IN ACCUMANCE HEARING STREET, WITHOUT WAS PROCEEDING THE REST HEARING H	BC/BMCKMCXXXX	
females de administrativa de representación de la desenção de la desenção de las Artificações de la desenvação		and the second s	
PLANT OPERATION Hrs. p	er day	Days per week	Plant Employees
Aver.		5	28
Max.	overally and compressed remains record	ensegración activacionacións delendre polencimiente apresen	(MINUTELE PRODUCTION OF THE PROPERTY OF THE PR
Seasonal Variation	complete such schools	THE RESIDENCE AND ADDRESS OF THE PROPERTY OF T	
WATER SUPPLY Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/or Sanitary Welland		tisk from Consultant Consultant Consultant Consultant Consul	Nami Care Charle and Transcription of American State Street, Sec.
Cooling	Mark Sandary Control Sandrick State Control State State		condition of historic entered activities and historic entered activities activities and historic entered activities and historic entered activities and historic entered activities activities and historic entered activities
Industrial Wolland	Annualist representation of the Control of the Cont	WINDOWS CHARGO AND THE STREET AND CHARGO.	CONTROL OF
Total	min. 500.	500,000	
RAW MATERIALS	loys, bronse etc.	as required.	
Amount of the Care and Care an			Constitute Constitution of the Constitution of
РВОРИСТИ)			
Annel the Constituting Health of Constitution and Annel Street, I will be agreed annual for Change (Anni Sang, Anni San	garden, granden de grand, en staden verbeund hen gelen eil bestiffelige (Henri der Ver-melle het meng dem		, keng janglintapanganana (muslamaka di muslamaka nebendarakan di melambangan (Anto om

	Sanitary	delland Seni	tory Sever t	o Welland River.	
	Cooling		Quantity	How Estimated	
	Industrial	Va	rishle.		
DESCR!	I <b>PT</b> ION OF SEW	ERS <u>Sanit</u>	ery sewer to	Welland River.	

REMARKS: The only industrial use of water is the leak testing of large size equipment. Water use is therefore quite variable and dependent on what was being manufactured at the time. No contamination of this water occured.

Survey by; F. J. Dart.

Date June 16, 1959.

INDUSTRY	Acorn Mfg. Ltd		COUNTY	Wolland
ADDRESS	105 Jarvis St.	WATERSHED	Niagara R.	
PERSONNEL M	r. D. Lowden, M		,	
PLANT OPERATION Aver.				Plant Employees
Max.	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>			
Seasonal Va	ariation	manusificational in MASS Prints		
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d	Treatment
Domestic an Sanitary	nd/or Fort Erie	No meter	the later constitution of the constitution of	Nil
Cooling				
Industrial			-	_
RAW MATERIALS	Sheet metal	to make stamping	ngs.	
PRODUCTS	Stampings.			
		(1)		
1				er geregen en generale per desembra anno de servicio de servicio de servicio de servicio de servicio de servic

Sanitary	To sanitary sewer	rs to Niagara R.	
	Quantity	How Estimated	Date Sampled
Cooling	Nil		
Industria	al		
DESCRIPTION OF	SEWERS Sanitary sewer of	only.	

#### REMARKS:

No industrial liquid wastes.

Survey by; F. J. Dart.

Date June 17, 1959

INDUSTRY	Andrew Sheet Me	tal	COUNTY Well	and
ADDRESS	Garrison Road		WATERSHED N1	agara R.
	Fort Erie			
PERSONNEL			and the constraint	
	Mr. D. Andrew, O	wner	ages describe	
		CHES IN THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	Control Control Control	
PLANT OPERATION	Hrs. per	day	Days per week	Plant Employees
Aver.	8		5	4
Max.		atomic real real real real real real real real		
Seasonal Va	riation	C COCCO	to deal country against a security of the control o	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic an Sanitary		No meter		None
Cooling	Zero		beneficia de consuperações de la grande a Centra de la Ce	
Industrial	11			
RAW MATERIALS _	Sheet metal.			
_	angle iron			ACM ACMEDITY RECORDS IN ACCOUNT OF THE PROPERTY OF THE PROPERT
_	de telepositivos de la Committe de la completa del la completa de la completa del la completa de la completa del la completa de la completa de la completa del la completa della del la completa del la completa del la completa del la completa	AND AND THE PROPERTY OF THE PR		
,		,		
PRODUCTS	Air ducts, furnac	es, etc.		
mod scarce appara		und the act the gifter some court bend associated to uniform the suctions closes.	en Sprintfeliden des Von seine feuer des eines en entres Dissessent en Carlo sentau i Carlo s	on American di merchanipuntan sa Manikan selah di pari Temba di Kandipundan di American di

S	anitary	To septic ta nk.		
	ooling ndustrial	QuantityNone	How Estimated	Date Sampled
DESCRIP		Sanitary connection	to Septic tank.	

REMARKS:

Dry industry.

Survey by; E. T. Giebien.

### Industrial Waste Summary

INDUSTRY	The Arner Co	Ltd.		COUNTY	Welland
ADDRESS	575 Niagara 1	Blvd.		WATERSHED	Niagara R.
	Fort Erie				
PERSONNEL _	Mr. J. B. Lea	vey, Plant	Manager		
-	Mr. J. W. Hay	low, Plant	Supt.		
_	Mr. Earl Lain	. Chief Che	mist		
_					
PLANT OPERA	TION	Hrs. per da	Ŋ	Days per week	Plant Employees
Aver.		8	one control	5	65 ± 5 plant &
Max.oc	casional	16		5	office
Season	al Variation	N <u>il</u>	in.		
WATER SUPPLY	Y Source	ce	Av. g.p.d.	Max. g.p.	d. Treatment
Domest: Sanita:	ic and/or ry <u>City</u>		2,000 (est)	-	Nil Nil
Cooling	g Well		20,000 (est)		Nil
Indust	rial City		1,000 (est)	-	De-ionized
RAW MATERIA	LS Chemic	als - larg	e variety		
			uding mineral	oils	
		agite contemplement of a committee and a set of the contemplement of the	Conference Schwarzung und eine Gestellt der Geschen und einer der		
PRODUCTE:	Pharmaceu	tical chemic	als	and control the control of the section of the secti	
-	3 groups	capsuls	og asp	irin	
-		tablets	code	eine	
-		liquid	vit	amins	

antibiotics

	Sanitary	To	city severs	2,000 gal/day	(based on W	) ggl/nerg	on )
	Sall vary		oreg sewers .	1,000 gas/ day	Toased on Jo	a gariners	711/
			Quantity	How E	Stimated	Date Sa	ampled
ir	condition@boling	well	20,000 G/day	7 40 G	PM (guessed)		
	Industrial		1,000 G/day	Subt	ract		
	DESCRIPTION OF S	EWERS W	et room waste	es go to greas	e trap. Fati	v acids	
				Remainder of			
	Wate	ers and wa	sh waters fl	low to city se	wers.		
					· ·		

#### REMARKS:

Mr. E. Lain estimated that 200 gallons per day of water are sold with the product.

All operations are batch-wise and losses are minimized due to the high cost of chemicals used. Small amounts are lost in washing kettles and floors. Sewers were inaccessible for sampling.

Survey by; E. T. Ciebien

Date June 3, 1959 June 25, 1959

INDUSTRY	Cameron Wood	working		COUNTY	Welland	
ADDRESS	71 Concession	n		WATERSHEI	Niagara	a R.
	Fort Erie		Car and the and distributions comes, became investigation of the extreme great and other distributions.	адомоналия		
PERSONNEL	Mr. D. Camero	on, Owner		Service power Mark Comment		
-				омольтонноми		
				Delicional Sept. Name		
evidence				purcon/continues		
PLANT OPERAT	ION	Hrs. per d	ay	Days per weel	c P:	lant Employees
Aver.		8	OwnCount	5		3
Max.			Completes	annerskin atter er med tred tred tred attender grifted Prints tel		
Seasona	l Variation		Drigonia.	ANY OLD SECURE THE PROPERTY OF		
	Source		Av. g.p.d.	Max. g.	p.d.	Treatment
Domestic Sanitar	c and/or City		No meter			Nil
Cooling		ndergine (mag. no. () mag	MELLON SIGNAL CHARLES AND		actes(mcNe s	
Industr	ial			annound temberaporal constitutional	-	-
RAW MATERIAL	S Wood.					
			dynachonyllenide explanational description are explanation and an explanation and a			
;	V					
PRODUCTES	variety	of wood pr	roducts.			
			COLOR TRACTOR COLOR STATEMENT STATEM		in Citizat in the Committee Company of the Citization of the Citiz	

WASTE	DISPOSAL										
	Sanitary	-	To	city	sewer.						
				Qua	ntity		How	Estimated	Date	Sampled	
	Cooling					,		***************************************			_
	Industrial		_								_
									*		
DESCRI	PTION OF S	EWERS									
			*								
_							,				
_								ggarina (denimung) atawasii suurgus, virewis			
-											
_			-						 		-

REMARKS:

Dry industry.

Survey by; F.T. Ciebien

Date June 59

INDUSTRY Canadian Gasket Co. Ltd.	COUNTY W	olland
ADDRESS 290 Lewis St., Fort Erie	WATERSHED N	lagara R.
PERSONNEL Mr. Geo. Reynolds, Owner & President  * Mr. J. Taylor, Plant Supt.	nucleons.	
	Days per week	Plant Employees
Aver. 8	anaconcensca casco Santa namanicini dano	34
Max.	HOMEONICAL NET LACTOR COLLECTION CONTROL SECURITY (SEE LE PRO)	пистисновного мейстийн элеменизменственного
Seasonal Variation	ні асысыкся адмертні ў пранція пропадня панага	CHARGE SCHARGERIC BACKER FROM STOCK ST. (Laws), Augmentation (Love), 1407
WATER SUPPLY Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/or Sanitary Fort Erie No meter	ART STATE CONTRACTOR STATE STATE STATE STATE STATE	Nil
Cooling		energing and indicate hardout parties of authorities (see
Industrial Fort Frie No meter	ene (XXV) de servicios es la cidade des Casasterica Valuere	Nil
RAW MATERIALS Copper. asbestos, rubber, cardbos Acetic and phosphoric acids.		
PRODUCTE; Gaskets	CHANGE BANCAN CAN A CHANGE BATTON BERNING THE SECOND COMMANDA AND BATTON SECOND COMMANDA	oma dravinna michi. Demaklak Quang mar Cimedimankiri eta audio mithalig magCimegina, magCime
	ри крински разможительного положение то исполнение положение полож	
	ezerzproczenięm szczeczniejchościnejm sczosętnektosoftworth sędmostros	Constituted Constituted Sensitives (Philipson (A. E) Sensitive Constitute (Constitute Constitute Constitute Co

Sanitary	To Fort Erie sani	tary sewer to Niagara R.	
	Quantity	How Estimated	Date Sampled
Cooling		× ×	
Industrial	Small		
DESCRIPTION OF SEWERS	All wastes to	sanitary sewer.	

REMARKS: Copper gaskets are cleaned with either phosphoric or acetic acid.

Concentrations less than 10% and volumes less than 3 gallons per week. Acids used only when copper gaskets are being made.

Survey by; F. J. Dart

INDUSTRY _	Canadian	National and	Wabash Railway	C	COUNTY Welland				
ADDRESS	Diesel Sh	op,		WA:	WATERSHED Nia		6		
=	Lewis St.	, Fort Erie.							
PERSONNEL	~								
	Mr. W. R.	Chalmers, Lo	ocomotive Forema	n.					
	3								
PLANT OPER	RATION	Hrs. per	day	Days p	er week	Pla	nt Employees		
Aver.		24			7	8	6 (shop only)		
Max.									
	onal Variat:	ion							
			The state of the s						
WATER SUPP		Source	Av. g.p.d.	M	ax. g.p.d	•	Treatment		
Domes Sanit	stic and/or	ort Erie	No meter	No.		_	Nil		
Cooli	ing Ni	lagara R.	No meter		,		Nil		
Indus	strial			non-in-	oo				
		*							
RAW MATERI	LALS								
	**************************************								
				Caronal Parish Nation					
PRODUCTS	Mainte	nance and ser	vice for Diesel	engines	. As many	7 as 900	Diesels/month		
	have b	een serviced.							
	Approx	imately 20 er	gines are washe	d in 24	hours.				

WASTE	DISPOSAL
-------	----------

Sanita	ry _T	o sep	tic tank.							
			Quanti	ty	E	low Est	imated		Date Sa	ampled
Coolin	g		•		-					
Indust	Industrial		Manage and a second second second second second							
DESCRIPTION	OF SEWI	ers _	The entire	area of	f the	tracks	and bu	ildings	drains	to one
	ditch a	along	Lewis St.,	then to	the	Niagar	a R.			
			This dite	h is equ	ipped	with a	an oil	separat	or at t	he end
	of the	railw	ay propert	y. The	trapp	ed oil	is pum	ped out	weekly	by the
	Buffalo	) Wast	e Oil Co.							
-										-

REMARKS:

In 1957, 1.835.000 gallons were purchased from the Fort Erie waterworks. Since then, steam engines have been discontinued and although there is no meter, the amount of water purchased is known to be much less.

No values for water consumption were available. The city water has no meter. The pump does not operate continuously.

Survey by; E. T. Ciebien.

Date July 8, 1959.

INDUSTRY Gauzer Ornamental Iron	Works Ltd.	COUNTY	lland			
ADDRESS 29 Lewis St., Fort Eric	DDRESS 29 Lewis St., Fort Erie					
PERSONNEL Mr. W. Gauzer, Manager		pa.com/charge				
		, accompanions				
PLANT OPERATION Hrs. per	day	Days per week	Plant Employees			
Aver. 8	anna (menchenic)	5	A			
Max.	Date (September 1997)	озверхного до мого учено выполняющей него чертим	5			
Seasonal Variation	On SQPHISOMER	AN ACT THE WAY OF THE PROPERTY	CONTACTOR OF THE PROPERTY OF T			
WATER SUPPLY Source	Av. g.p.d.	Max. g.p.d.	Treatment			
Domestic and/or Sanitary Fort Erie	No meter	sia fant prijstruckersonskinste stander skriet tren	Nil			
Cooling		desiration and great president regions of sections of desiration and	Constitute of Million Company Constitution and Audion Constitution			
Industrial Fort Erie		BEACH STATE AND THE RECORDER SPEED	Ni1			
RAW MATERIALSIron bars and scra		and a process of the state of t				
		Concessa agains, Cine agus Concessa agus ann ann ann ann an ann an an an an agus agus agus agus agus agus agus Con comangainn, Canada agus Concessa agus an an agus agus agus agus agus agus agus agus				
PRODUCE: Iron work - blacksmit	hing.	es angline dan chemistra che chi e diventre adventre a ch'espanime si en che adventre apresidenti en che a				
		gjingta njin dinutas stantan gimojiliga atmesti atmesmetatika alimutamitatika	econd) with economic tentral porthonories designation commence and the little of			
	China Chana De submina China Che e ChanaChana China Ch	a se democratica de con son de colimbra escriptino de constructor	ar Jenni ding Pandonadangkan yang pangkan at pang tangga at pangkang ang kalifatan			

WASTE DISPOSAL			
Sanitary For	t Erie sanitary seve	r to Niagara R.	
	Quantity	How Estimated	Date Sampled
Cooling			
Industrial			
DESCRIPTION OF SEWERS	Sanitary sever only	у.	

REMARKS:

Small amount of water for iron quench.

Survey by; F. J. Dart.

Date June 17, 1959

INDUSTRY _	Gould National Batteries of Can. Limited	1 COUNTY We	land
ADDRESS	275 Lewis Street	WATERSHED Nia	ara R.
Account	Fort Erie		
PERSONNEL _	Mr. P. W. Roberts, Office Manager		
	Mr. W. Moratz, Plant Engineer		
_		gardinan	
PLANT OPERA	ATION Hrs. per day	Days per week	Plant Employees
Aver.	8	5	30 (P & O)
Max.			
Season	nal Variation		
	LY Source Av. g.p.d.	Max. g.p.d.	Treatment
Domes Sanita	tic and/or city 900 (est)	29 grant Communication related to violate states asset	Nil
Cooli	ng }		Nil
Indus	trial		
DAM MAMPDT	ALS Lead, rubber cases, H <sub>2</sub> SO <sub>4</sub> .		
ILAW PIATEMEL	TITLE		
	Seather Continued and Continued and Strategy or Continued and Advanced		
		Market State Control of the Control	
PRODUCTE:	Storage batteries.		
		TO THE CONTROL OF THE PROPERTY	

Sanitary	To	city sewers.				
		Quantity	How E	Estimated	Date Sampled	L
Cooling	}		-			-
Industrial	. 5	6,000	Water	bill	June J.D.	
					* *	
					4	
DESCRIPTION OF S	SEWERS	Charging room	sewers drai	n to open	ditch - water spray	<u>r</u>
	to pro	event vapour a	ccumulation.			
		Charging batt	eries area,	sewers dra	in to open ditch,	
	water	serves to coo	l cells bein	g charged.		
		Floor wash to	ditch as we	11.		
						-

#### REMARKS:

Sample showed large lead and suspended solids when floors were washed and less when only cooling and spraying operations were carried out. The pH is very low.

It is recommended that this waste be neutralized, settled and the supernatidischarged to sewers.

Survey by; E. T. Ciebien.

Date June 3, 1959.

INDUSTRY	Hart & Cool	ey Mfg. Co.	of Can. Ltd.		COUNTY We	lland	
ADDRESS	Wood St.				WATERSHED _	Niagara	R.
No. of Concession Conc	Fort Erie						
PERSONNEL	Mr. K. Soud	er, General	Manager				
An annual track	Mr. R. R. R	aight, Fact	ory Manager				
				-			
**************************************							
PLANT OPERATION	ON	Hrs. per da	ay	Days	s per week	Pla	ant Employees
Aver.		8			5	waterspeed	100 - 10
Max.			_			-	
Seasonal	Variation					ments categorial	
WATER SUPPLY	Source	e	Av. g.p.d.		Max. g.p.	d.	Treatment
Domestic Sanitary		paragramma Arabana Arabana	3,000 (est)		No de despuis de la considera	-	Nil
Cooling	}						
Industri	al)City		4,700 (subt	.)			4
						(e)	
RAW MATERIALS	Stee	l, sheet m	etal etc.			¥	
ILAW PAIEMLALD	5,66	1, 511000 m	000			Harris and the second s	manusk monatur museuski deplini samoonie in
							**,
	:						
PRODUCTS	Air distri	bution equ	ipment.				
-							
-		O O O O O O O O O O O O O O O O O O O	account of the second s	-			

	Sanita	ary	T)	city sever	s 3,000 gr	1/day (Est @	30 gsl/day,	/person)	
				Quant	ity	How Estima	ated	Date Sampl	Led
	Coolin	ng	>				Mountaine		
	Indust	trial	3	4,700		Water bil	1	June 18,	1959
							* # - {	*	
DESCR:	IPTION	OF S	EWERS	Industrial	wastes to	open ditch	- discharge	to wooden	area -
		wher	e it w	as stated th	nat they e	ventually dry	up.		
						,			
					· · · · · · · · · · · · · · · · · · ·				
							,		

#### REMARKS:

Operations include: Degrease, Phosphatize & rinse,

Seal with chromic acid.

- Iron phosphate & detergent, 1090 U.S. gallons Dumped weekly.
- Running rinse tank, 1090 U.S. gallons. 2.
- .02% chromic acid, 500 Imp. gallons Dumped nightly.

Survey by; E. T. Ciebien

Date June 3, 1959

INDUSTRY Herto	n Steel Work	ks Ltd.,	COUNTY Welland.				
ADDRESS Janet	te Street,		WATERSHED Nia	gara River.			
Fort	Erie.						
PERSONNEL Mr. A	.G. Asplin .	President.					
Mr. G	.H. Milne -	Comtroller.					
Mr. J	. Bowden - I	Plant Engineer.					
Worlden Sprangerschauser							
PLANT OPERATION	Hr	s. per day	Days per week	Plant Employees (include			
Aver.		8	5	400 ± 25 office 160)			
Max. Plus		8 (night)	5	20 men.			
Seasonal Va	ariation _			times a grand-money (administrative dynamics) inglineline distribution			
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment			
Domestic ar Sanitary	nd/or City	12,000		N11			
Cooling	11	3,300		N .			
Industrial	и	220		enecondusta submittendamia giaptica transcantame			
RAW MATERIALS	Steel.						
PRODUCTS	Steel plat	e tanks.					
				Co-Olympia In St. Orania III anni St. Orania III anni St. Orania III anni St. Orania III anni St. Orania III a			

	Quantity	How Estimated	Date Sampled
Cooling	3,300	Water Bill.	-9-
Industrial	220	Company Est.	June 18, 1959.
			V 7 3
			2 0 0
	Calcium Carbide, ac		waters flow to settli
	effluent was sampled		
-			

prove harmful to the sewers or receiving body of water.

Survey by; E. T. Ciebien.

Date June 3, 1959.

INDUSTRY Ind	ustrial Plastics	Can. Ltd.	COUNTY	land
ADDRESS 29	Jarvis St., Fort	Brie	WATERSHED Nia	gara R.
encetes dissociation in	. S. W. Prince, M			
PLANT OPERATION	Hrs. per	r day	Days per week	Plant Employees
Aver.	8	and the confidence is considerated.	5½	6
Max.			committee (2) reconcilence constitution de la const	
Seasonal Va	ariation	and the second s	ear of the American Country and American Superior Superio	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic an Sanitary	nd/or Fort Erie	No meter	tios for any puri particular and the school purificial account from	Nil
Cooling		Management and American Street Street Street	овидения очению предоставляющим стителям по	
Industrial				
RAW MATERIALS	Warehousing of	plastic piping,	sheets etc som	e fabrication.
PRODUCTS	No manufacturin	16.		
		engreus fansk pris der Oppus der Canada pris anderschaft and de Canada pris and Canada and Canada and Canada a		
And triprate about		and the Control of th		

Sa	anitary To	sanitary sewer to Ni	agara R.	
		Quantity	How Estimated	Date Sampled
Co	ooling	N41		
In	ndustrial			
DESCRIPT	TION OF SEWERS	Sanitary sewer anl	у.	
	-			
-				
-				
-				
-				

REMARKS:

Future expansion into plastic extrusion being planned.

Survey by; F. J. Dart

Date June 17, 1959

INDUSTRY	Irvin Air Chute	COUNTY Welland				
ADDRESS	477 Central Ave.,	WATERSHED Niagers R.				
PERSONNEL *	Mr. C. Bonn, Manag					
PLANT OPERATION	Hrs. per	day	Days per week	Plant Employees		
Aver.	8	to the end beautiful training training to	construict and construint and construint and a state of the state of t	30		
Max.	arman paint, paging the self-region and regions.	ирийский пифин	constant and or with restriction constant or when Schmidt, solds. All, parts	SHALL RECEIVE AN ADDRESS AND AN ADDRESS CONTRACTOR ADDRESS AND ADD		
Seasonal Va	ariation	MCHINGH MEMSERNE	der 102 MC SWICK TO DIE GENELE MÄLLE (Benelle ANDERSON STERREN SERVICES SE	TREATS AND ADDRESS THE CONTRACTOR OF T		
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Freatment		
Domestic as Sanitary		No meter	to Start Chicates and an advantage Const.	NATA CONTRACTOR		
Cooling		MULTIMISERACIMISM MORROUNI CHIMINED	Constitute Species Pictor Schools which treat And Species are not not	Grand Street, in rad, drifts away to refer to the street, and the street, and the Street.		
Industrial	Fort Erie	No meter	ease Cont. Merchaniques d'inschant louis (intraction als lines	м 4 1 минериализменто		
RAW MATERIALS .			ned and folded.			
PRODUCTE;	Folded parachut	33.4	ncjus (Our Cast Cast Cast Cast Cast Cast Cast Cast	especialistica (marcina) para para producente e transporto sincia a si Componente cara de la componente de la compo		
, Rind Househalleri		and the ground and the street of the street		author, sou, planet ann gheadh ag Charles ann an Aona Charles a Charles ann an Aona Charles an Charles an Aona		

Sanitary	To Fort Erie sanitary sewer to Niagara R.	_
	Quantity How Estimated Date Sampled	
Cooling		
Industrial	Small	_
DESCRIPTION OF SEWERS	All wastes to sanitary sewer.	-
		_
		_
		-
		-
		-
		-

REMARKS:

Occasional chute wash comprises the only industrial waste.

Survey by; F. J. Dart

Date June 18, 1959

INDUSTRY	Mar-Can Ltd.		COUNTY	lland
ADDRESS	40 Courtwright	St., Fort Brie	WATERSHED Nia	gara R.
Resident Complete Com			Management of the Control of the Con	
PERSONNEL			plus enclaideme	
* 14	ir. Thompson, Mans	ager	Ox ACOMADONA CORRECT	
<b>\)</b>			Der Balleyen (Filipen Christer)	
-		COMPRISED THE RESIDENCE OF THE PARTY OF THE	Described Described	
PLANT OPERATION	Hrs. per	r day	Days per week	Plant Employees
Aver.	8	материалических	5	8
Max.	Managara parameter and	maginus project Chargerona	STREET, AND LOCATE CONTRACTORS AND ADMINISTRATION OF THE PROPERTY.	
Seasonal Va	riation	microsci scirici nel		treat to specificational problems and the designation of the section of the secti
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic an Sanitary	d/or Fort Erie	No meter		Nil
Cooling	Security of the Association of the Control of the C	and Contract Countries for an Ocean consequent		
Industrial	Fort Erie			оновиден выполновый порторнов представления
RAW MATERIALS	Worn-out athle	tic equipment.		
_				
_				
ркорист; Re-с	conditioned athle	tic equipment.		
PRODUCTION				Specific Charge-sections and Devolves of continued and had been been been been been been been bee
may an in the second section of	tanagin milandi milangin dha dingi andono milangina dinada a dingi	of national and an action and an action and an action of the action and an action and action and action and action		
		CONTRACTOR		

a si di chi amateria	the same statement and state at the	
WASTE	DISPOSAL	
W PLL3 I I'I	D LOPE CAME	

Sanitary	To sanitary	sewer to Niagara R.	
Cooling	Quantity	How Estimated	Date Sampled
Industrial	Small		None
DESCRIPTION OF SEWERS	Sanitary sewer	for all wastes.	

#### REMARKS:

Some of the athletic equipment is laundered creating a small amount of waste.

Survey by; F. J. Dart.

Date June 17, 1959

INDUSTRY Me	rkel Elect	rie Product	s Ltd.	MAN SOLESHICKNESS NO	COUNTY	Welland	CONTROL FOR LANCE WHICH WE SHARE
ADDRESS 23	Lewis St.	, Fort Erie			WATERSHED	Niagara	R.
PERSONNEL * M	c. S. Payne	, Maintenan	ce Engineer				
	1			er Yolk KDirraccian/Changamich action-ACtain/Chancorian			
PLANT OPERATION	[ I	Hrs. per da	У	Day	s per week	P	Lant Employees
Aver.		8	_	assault to the	5	Madauda	16
Max.	-		_	congresco. sc		and the	HE BRIDGE HE SAME THE TRANSPORT OF THE STREET HE SAME THE STREET HE SAME THE SAME THE SAME THE SAME THE SAME T
Seasonal V	ariation _	A STATE OF THE STA	-	900 453.00(,000)	s. contract Construction Construction Constructions	ORNEOL 328	ad the time to the date of the termination of the time to the time
WATER SUPPLY			Av. g.p.d.		Max. g.p.	d.	Treatment
Domestic a Sanitary	nd/or Fort	Erie	No meter		is the plantagement of the control		Nil
Cooling	***	полеономи	ff.		инифинальная областирия (нестипа)	NORMAN IN	EB
Industrial	###ORREQUESTOR CONTROL	понотопоно			BOOK AND RESIDENCE AND ACCOUNT OF THE		
RAW MATERIALS							
PRODUCTE)	Glassifica (Canaglassid Saudpoughters Canadros (Canadros (Canadro)	encjanotju nglišnojuo glikostju artiklotji og "Maciona	centional and an american description of the control of the contro	NI COSSINELIN CONSIGNICATION SE	more stated amount to add the substantial and another sch	NO MAKES AND THE CONTRACT OF T	
I IIV Maria (3)							
Among to complete the complete							оз (Динистика) (В 2011 година) на дументи в Орбиничница на Света 1900 г.
And No production			ADE WELLIA (THESE SEE SEED THE COMMENTS AND THE SEED SEED SEED SEED SEED SEED SEED SE	States States, has with result from all the still a se	to secure or the green was an advantage to the		enclarenten (Pilistonacia ar) enclarenter actural pantaració (ICC) en

	Sanitary	Fort	Erie	sanitary	sewe	r to	Niagara R.	
			Quan	tity	tii	How	Estimated	Date Sampled
	Cooling	_	Smal	.1				
	Industrial	_		_				
DESCR	IPTION OF SEWERS	Ş	anita	ry sewer	only	<u> </u>		

REMARKS: Cooling water only for degreaser. Plating tanks had not been replaced since fire destroyed the original building.

Survey by; F. J. Dart

Date June 17, 1959

INDUSTRY Mentholatum Co. Ltd.				COUNTY Welland			
ADDRESS 20 Lewis St.	, Fort Erie.			MATERSHED	Niagar	a R.	-
PERSONNEL Mr. Geo. Str	atton, Manag	er,					
* Mr. E. Sterr	y, Employee		suci-simulton				
Annual Interface of the company of t	onjune, mag (ren't tang si s'Opportune) ann territoria.						
PLANT OPERATION	Hrs. per da	ay	Days	per week	;	Plant Em	ployees
Aver.	8			5	9000	9	
Max.			-		-		
Seasonal Variation		TECHNIC		power, printed, all register printed in conductive and delivery in conducti	-		
WATER SUPPLY Sour		Av. g.p.d.		Max. g.p.	d.	Trea	tment
Domestic and/or Sanitary Fort	Erie	No meter	,		_		
Cooling Fort	Erie			anne trong their energies of the Paris Trong Street has to	accessores.	Outpout and tell resources	
Industrial		Street Contract of the Land Contract Co					
RAW MATERIALS Not rev	realed						
ment to Country Country and a section of							
				gan ay hann sayanin sang meng ang al bin sa kanang kar sa			
							and jumpying hour and while
PRODUCTE; Two "Mentho	Johnson Barden	aintmonto					
PRODUCES, 1wo mentine	Jacom Skin	Oli then to		See with units patient require at the careful field file. EX			
							and the Control of the Control
Red troy and agreemed assert or earlier on president			A CONTRACTOR OF THE PARTY OF TH		a policina de mercina de mercina de		

Sanitary	Sanitary To sanitary sewer to Niagara R.							
	Quantity	How Estimated	Date Sampled					
Cooling	Small		aurounta de la					
Industrial								
			3 8					
DESCRIPTION OF SEWERS	Sanitary sever	only.						

REMARKS:

No industrial liquid wastes.

Survey by; F. J. Dart,

Date

June 17, 1959

INDUSTRY	Owl-Lite Equip	ment Ltd.,	,	COUNTY Welland.		
ADDRESS	(Partronics (C	an.) Ltd.) o	WATERSHED Niagara River.			
	339 Douglas,					
PERSONNEL	Fort Erie.	And the second second second second	COLUMN CAR THE ST. AND AND ADDRESS OF THE ST.			
Mr. J.C. Stratton - President.						
,						
		×				
PLANT OPER	ATION	Hrs. per da	y	Days per week	Plant; Employees	
Aver.		8	-	5½	8	
Max.			_			
Seaso	onal Variation					
WATER SUPP	PLY Sour	rce	Av. g.p.d.	Max. g.p.d.	Treatment	
Domes Sanit	stic and/or city		No Meter	Will become a second control of the control	Nil	
Cooli	ing 0		******************************			
Indus	strial 0		Sample or large plane in the control of the control			
RAW MATERI	TALS Angle ir	on, sheet met	tal, paint.			
PRODUCTS	Traffic	warning blink	ker lights.			
THODOOTS			AND AND ADDRESS OF THE PARTY OF			

	Sanitary To city	sewers.		
	Cooling Industrial	Quantity	How Estimated	Date Sampled
	THUS STIGT			
		*		
DESCR:	IPTION OF SEWERS			
-				
-				
-				
-	the second secon			

REMARKS: Dry industry.

Survey by; E. T. Ciebien.

Date June 3, 1959.

INDUSTRY	Pierce & Steve	ens Can. Lto	1		OUN <b>TY</b>	Wella	nd.	-
ADDRESS	(Near Race Tr	ck) Conces	sion Street.	WAT	ERSHED	Niaga	ra Rive	r.
-	Fort Erie.			-				
PERSONNEL _	Mr. E. Hender	son - Plant	Manager.					
-				-				
-	1			ncanadarina				
-								
PLANT OPERA	TION	Hrs. per d	ay	Days p	er week		Plant, 1	Employees
Aver.		8	process.		5	-		21.
Max.						-		
Seasor	nal Variation	Nil	Acquests .					
WATER SUPPI	LY Sour	ce	Av. g.p.d.	М	ax. g.p.	d.	Tr	eatment
Domest Sanita	tic and/or ary <u>City</u>	construction a Sign relating desired	No Meter.	Makemo		NC-RECORDED TO THE		
Coolir	ng		Review data de la constitución d	-		and a real	encontrol (600)	
Indust	trial			nonepool	-	_		0
RAW MATERIA	ALS Solvents	, naphthas,	petrochemica	ıls, solu	ble ace	tates,	resins	
		ers, film f						
PRODUCTS _	Lacquer	s, Thinners,	, Protective of	coatings,	Adhesi	ves.	Markon Cabina Market	

Sanitary To	own sewers.		
	Quantity	How Estimated	
Cooling	-0-		
Industrial	-9-		
	8		
DESCRIPTION OF SEWERS			
*			

REMARKS: Dry industry.

All wastes are burned at plant-site industrial

Survey by; E. T. Ciebien.

Date June 3, 1959.

INDUSTRY	Pratt-Lamber	t Paint Works Ltd	COUNTY 1	elland
ADDRESS	West end of	Courtwright St.	WATERSHED	Niagara R.
	Fort Erie.			
PERSONNEL				
*	Mr. J. T. Polla			
Hermater distriction	<u> </u>		anachemicar scorreign-scoren	
error discount				
endeduce		Observations Considers of the Consideration	ga, ajtan garanjan di deleterato	
PLANT OPERATIO	N Hrs.	per day	Days per week	Plant Employees
Aver.	DELCHIOCHEC <sup>M</sup>	8	5	45
Max.	in a concension		compracts accurate and involved accurate and the	
Seasonal	Variation	construction of a construction of the construc	tion actions; went to automorphism processing their sense sense sense many	
	Source		Max. g.p.d	. Treatment
Domestic Sanitary	and/or Fort Erie	No meter	r.	Nil
Cooling	Fort Erie		ANY SCHOOL CONTRIBUTION CONTRIB	ER STATE OF THE PROPERTY OF TH
Industria	. 7	pains encountered recommends responsed restricts	De transaction Control and Con	COVERS. BERTON CONTROL OF SERVICE CONTROL OF SERVIC
Industria	A.L	Change of the Control	and David Service Control of Ser	Completed and Complete Complet
RAW MATERIALS	Pigments, a	lkyd resins, oils	, solvents.	
	Profile Construction Cons		ognissis acti chemicandos plendino (ne timo directe al les directes de la companya del companya de la companya de la companya del companya de la companya del la companya de la companya d	
J.				
PRODUCTE:	Paints		and responsing the second distriction of the self-residence beautiful distriction. On a different con-	
No. of Street,				

WASTE I	DISPOSAL			
2	Sanitary	To sanitary sewers	to Niagara R.	
		Quantity	How Estimated	Date Sampled
C	Cooling	No meter		
ı	Industrial			
DESCRIE	TION OF SEWERS			
	778			
_				

REMARKS: Cooling water for both ball and roller mills.

Survey by; F. J. Dart.

Date

June 17, 1959

INDUSTRY	Sterling F	actories (	Can.)	Ltd.	confirmação, au	COUNTY _	Wellan	d	
ADDRESS	Lewis St.,	Fort Erie			W	ATERSHED	Niagar	a R.	
made Outlier	Mr. J. Fel				oncome contracts				
PLANT OPERATIO Aver. Max.	N	Hrs. per	day	ugia agricultura (din edin din edin edin edin edin edin ed	Days	per week		Plant Emp.	Loyees
WATER SUPPLY  Domestic Sanitary  Cooling	and/or Fort	Erie	Shink Shink Shink All Shink Sh	g.p.d.	eur geschieden uiteren	Max. e g e p	o d o	Preat)	eniquesión A Protinto
Industria RAW MATERIALS	A	Aluminum s		noje nagomnów, sómobnostku cer echt	C-less Cleve (des 100 fer (des Cleve				
PRODUCTICS	Aluminum (	A CONTRACTOR OF THE PROPERTY OF SECURITY O	ame wor	k, window	displ	en grand to support to the character of			TOTAL CHARGONIC SHOP AND A STANDARD OF THE STA

WASTE	DISPOSAL			
	Sanitary To F	ont Eric conitory e	ewer to Niegara R.	
		Quantity	How Estimated	Date Sampled
	Cooling	Small		
	Industrial			
				,
DESCR1	PTION OF SEWERS	Sanitary sewer on	ly.	
_				
_				

REMARKS: Cooling water for air compressor.

Survey by; F. J. Dart

Date June 17, 1959

INDUSTRY Twin Coach of Can. Ltd.	COUNTY W	elland
ADDRESS 30 Courtwright St.	WATERSHED N	iagara R.
Fort Erie.	acogrammers/mea	
PERSONNEL	age allowed the Committee	
* Mr. A. B. Richardson, Employee	ACH ACH-ADHACHAN	
	Contract party description	
	CO-CONTROL CONTROL	
PLANT OPERATION Hrs. per day	Days per week	Plant Employees
Aver. 8	5	8
Max.	consistency in Action 2014 model in Carnets of the Maria 160 may	
Seasonal Variation	Non-state has CA (School pred Concession) who have been contained that	
WATER SUPPLY Source Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/or Sanitary Fort Erie No meter	от (Сове Онтнательностиниции) стидит учествия и	Nil
Cooling	constitution of the constitution of the constitution of the constitution of	
Industrial	NAME CARSON CONTRACTOR AND ADDRESS OF THE PARTY OF T	CHARLES AND
RAW MATERIALS Warehousing of motor coach par	rts.	
The state of the s	manifold and committee of principles of the committee of	us Classic Consideration (Consider planet State) Provider Transaction of the Classic State spring CPA (All
de region Committee Conferentiques Con Conference de Committee d'Estable et de reconscribit autre con estre con est con des conserves et con est con de commente et con est co	ACCULOUS MACCULO STREET CONC. OF SIGNAL PRINCIPLE STATE CONCERNING CLOSE AND ACCULOUS CONCERNING CO	
terms to the supplier of being the Change the Change of th		
PRODUCES No manufacturing.	tendenscher (macemonischer Valleichnedenscher Oreichnedenscher (met Paulonscher Verscher V	
	non. In agreembre date on De activische (Christians des Christians Christians) - 47 Cle activische (Christians)	

Sanitary _	Sanitary To sanitary sever to Niagara R.							
	Quantity	How Estimated	Date Sampled					
Cooling	Nil	-	Sold Market Control					
Industrial								
DESCRIPTION OF SE	EWERS Sanitary sewer only							

REMARKS:

No industrial liquid wastes.

Survey by; F. J. Dart.

Date June 17, 1959.

INDUSTRY Vill	iams Gold R	efining Co.	of Can. Ltd.		COUNTY	Well	and	,
ADDRESS 30 C	ourtwright	St., Fort E	rie.	V	ATERSHED .	Niag	ara R.	
PERSONNEL								
* Mr	. L. C. Wil	liams, Mana	ger	-				
and the second s								
PLANT OPERATION	Нз	rs. per day		Days	per week		Plant Emp	loyees
Aver.	_	8			5	_	13	
Max.	_					-		
Seasonal Va	ariation _			-		-		
WATER SUPPLY	Source	А	v. g.p.d.		Max. g.p.	d.	Treat	ment
Domestic ar Sanitary		rie	No meter		de la constanta de la constant		Nil	
Cooling		monotonica mo		,		SANGERON		
Industrial	Fort E	rie	18				Filter	ed
RAW MATERIALS						scrap	) 	
	Metalli	c cyanides	for plating	baths	i a			
	from recognize design rectagges agricultural design.							
						Secure Section 1	Champion (Street Street Street Street Street Street	
PRODUCTS	Refined pre	ecious meta	ls, e.g., den	tal e	gold, silve	r.		
Princip and Residence Princip							day of the Research	
-							a propaganas a Sentencia a specific	

Sanitary T	o sanitary sewer to N	iagara R.	
	Quantity	How Estimated	Date Sampled
Cooling			
Industrial	small	No meter	
DESCRIPTION OF SEWERS	Sanitary sever of	nly.	
		,	

REMARKS: Gold, silver, and platinum plating on premises. Significant contamination from this company is very unlikely because:

- Plating rinses are evaporated to recover precious metals.
- 2) All wastes including hand washings, etc., go to a treatment sump for the recovery of the metals.
- 3) Sulphuric acid cleaner is never dumped.

However, traces of cyanide may get to the sanitary sewer - a small flow well diluted by the sewer itself.

Survey by; F. J. Dart.

Date June 17, 1959.

INDUSTRY Willoug	hby Tool	& Die,		COUNTY _	Welland.	Management Demonstrated trans
ADDRESS Central	& Garri	son,		WATERSHED	Niagara	River.
Fort Er	ie.					
PERSONNEL Mr. A.	Zavorka	- Owner.				
# Mr. W.	Bauml -	Foreman.		montenance		
1				ma providence ma		
PLANT OPERATION		Hrs. per	dav	Days per week	Pl	ant Employees
Aver.		81/2	•	51/2		4
Max.			minimized (min			
Seasonal Va	riation	Nil.				
Deasonal Va	IIAUIOII				-	
WATER SUPPLY	Sour	ce	Av. g.p.d.	Max. g.p	.d.	Treatment
Domestic an Sanitary	d/or City		No Meter.	Wilder Commence of the Commenc		
Cooling	Annahani projekty kondina (Annah				-	described administrative for the second second
Industrial						
		- alecca	leets Istem			
RAW MATERIALS _	Aluminu	m, sneet	metal, Steel.			
_						
_						
-					0-11-0-1-7 (OIL-2-	
PRODUCTS	Trays,	boxes, ch	ocolate moulds	•		
			DEC SEE CO COLO NO COMPANSO COMPANSO CON COLO COLO COLO COLO COLO COLO COLO			
to pay or a second production				namana Sarakin da samunin da mungka menghakin da 400	and demotion diseases the school in case	econic December Street, Communication Communication
¥ E	+ ±		an about the gravities of the area of the plane of the area of the area of the area.			ogenamia kirkini en algun kritini algun kritini di algun kritini di algun kritini di algun kritini di algun kr

	Quantity	How Estimated	Date Sample
Cooling	-0-	10	
Industrial	-0-		
			W
NIPTION OF SEWERS	<b>V</b>	ž	
RIPTION OF SEWERS	7.5.	ž	
RIPTION OF SEWERS			
RIPTION OF SEWERS			

REMARKS: Dry industry. (No loss of cutting oils)

Survey by; E. T. Ciebien.

Date June 3, 1959.

INDUSTRY _	Wilsolite (	Can. Itd.,			COUNTY _	Wellar	nd.
ADDRESS	Carrison Ro	۹.,			WATERSHED	Niaga	ra River.
-	Fort Erie.						
PERSONNEL	Mr. W. Bown	man - Manager.					
	)						
	-						
PLANT OPER	RATION	Hrs. per	day	Days	per week		Plant Employees
Aver.		8			5		4
Max.			nonemotion .				
Seaso	onal Variati	ion	at admitted	***			The second of the second of the second of
WATER SUPE	PLY S	Source	Av. g.p.d.		Max. g.p	.d.	Preatment
	stic and/or tary Be	rtie Twp.	No Meter.				Nil
Cooli	ing						
Indus	strial				-	-	
RAW MATER	IALS Dist	ributors for r	ubber & plasti	e prir	nting equi	oment.	maga nadir ayan garayi sayamizan manayandi ayan kasantan (1830)
	Annual State of Control						
DD0DHG#G							
PRODUCTS	NO m	anulacture.					
			atrinicia idizioni imagini idiani chi cabi ad mentendi ili indicato atrini				
			can de participa casas estructuras estructuradores de medió calha estra estra estra estra estra estra estra est				

Sani	itary <u>Septic Tan</u>	k		
		Quantity	How Estimated	Date Sampled
Cool	ling	-0-		
Indu	ustrial _	-0-		
				•
DESCRIPTIO	ON OF SEWERS	· · · · · · · · · · · · · · · · · · ·		

REMARKS: Dry industry.

Survey by; E. T. Ciebien.

Date June 1959.

INDUSTRY C	anadian Furnace	Co., Ltd.	AND DESCRIPTION OF RESIDENCE	COUNTY	Welland
ADDRESS Po	ort Colborne, e	east bank of	canal entr	and ATERSHED	Lake Erie
PERSONNEL	Mr. H. J. Alle	en, Presiden		···	
	Mr. O. H. Hugi	ll, General	Manager *	ents	
	Mr. W. G. McGo	rman, Plant	Engineer		
	Mr. I. Gordner	, Plant Sup	erintendent	<u>i</u>	
PLANT OPERATION	Hrs.	per day	D	ays per week	Plant Employees
Aver.	in the second se	24	-	7	about 200
Max.	inn states, year Orbital	de rendas sobre sabe suppliess Complete Comp	cont	насиленской коменский чем чети	CHARLES AND RESIDENCE WAS ANY CONTRACT OF THE CHARLES AND ANY
Seasonal V	ariation	SAME TO A CONTROL OF THE SAME		EMETHROS TON ENTRY POR MACHINE MACHINE MEDICAL	CORREST, NORMACONICIONAL MACARICONICIONICIA (ANACOMICINACIONAL DIRECTORICA DE CARROLLO DE
WATER SUPPLY	Source	Av. &	g.p.d.	Max. g.p.d	. Treatment
Domestic a Sanitary	nd/or Port Colborn	1	2,700	sa specificación compresión con estructura	AND
Cooling	Welland Cana	10,0	00,000	17,200,000	shot doses Cl
Industrial	Welland Cana	4,4	00,000	4,000,000	shot doses Cl
Total		14,4	00,000		
RAW MATERIALS	Iron ore	550 T/day	opportugiones per or classic description of Super-	). Ізмернициосинискі і убтикі інститут такоп інфонисник	DINTO SINGLE COST HEIGHT SINGLE SINGLE COST SINGLE SINGLE SINGLE COST SINGLE C
	Coke	500 T/day	MEMOCRATICAL STRUCTURE AND A STRUCTURE OF THE STRUCTURE O	ON CONTROL PRODUCTION OF STREET, SHIPS WITH A CONTROL AND STREET,	Des COLLECTION DES CONTRACTORISTICATE CRISIC DE VERREIT PRINCIPATION ECHRECA SE PRINCIPATION DE L'ARREST SE PR
	Limestone	300 T/day	ALMOST THE THINK THE PER STREET HE STREET TO STREET	THE CONTRACT OF SECURITIONS OF STREET, SET UP A SEC	CONTROL MICHIGANICANICANICANICANICANICANICANICANICANIC
				CONFIGURAÇÃO A SOUTE PARA PROSESSA DA MESANA DA MESANA CONTROLOS	220-04/2014/2014/ETT TENNESONISSTELLEN STONNESTHE STONNESTHE ZUNGSTELLEN ZUNGSTELLEN ZUNGSTELLEN ZUNGSTELLEN Z
PRODUCES	pig iron	600 T/day (	capacity)	CHARGING YORKS ROOM ON THE CONTROL OF MORE ARROBITS OF THE	er us den stander de entre de stande de une per c'éléctre neuverne sus de les ses désignes de services de dens
encoulated and a	adio etuando-relair (Chinhory Ch-Vole Chinhory Shiribana (New York)	COMPANIED PROPERTY AND A SET OFFICE POLICE OF	CONTRACTOR SOMEONICAL SOME	general medical medical publication of the constitution of the con	Childrich (Industrial Childrich) spraches (spraches (childrich) educations)
Anchiquesisen	agglering)-complex agrice of the Arthung (French Long (Bet Stein Arthung Child Arthung	CONTRACTOR OF THE STATE OF THE	andministración (3) embrené inscilátic, ha albendada	ADER SEEN TOWN TO HER POST OF THE CONTRACT OF	eprindinelijana ja malainutineti hendeen ja kantalainutinelija ka tuna tamata sepaste seetaata ta Astansi.

Phenol

Sanit	ary	Port Co	lborne	sanit	ary s	ewer					_
		Qua	ntity		Но	v Estima	ated		Date	Sam	pled
Cooli	ng	10,0	000 gpm		-				Octo	ber	29, 1957
Indus	trial	2,500 gpm				Octo	ber	29 <b>, 1</b> 957			
DESCRIPTION	OF SEWERS	Two	seversi	one	with	500-600	gpm	water	disch	arge	and
the	other with	the remai	inder of	the	flow	- disch	arge	to a	creek	to L	ake
Er	ie										
REMARKS:	Composite	sample ma	ake of t	he. ex	reek w	ith bot	h se	wers (	dischar	ging	1
was ma	de at a poi	nt where t	the cree	k joi	ins La	ke Erie	1				
	Main wast	es in 1b.	per day	₹	÷						
	B.O.D. Suspended Iron	solids	750 6,050 660	*							

2

Survey by; F. J. Dart

Date June 8th, 1959

INDUSTRYInt	ernationa'	. Nickel C	o. of Conade I	dd.	COUNTY _	Weller	AND ROMO ICHEMINAN
ADDRESS	Port Col	orne - ea	st of Canal		WATERSHED	-Loke	
PERSONNEL			Manager *				
PLANT OPERATION		Hrs. per	day		per week		Plant Employees
Aver.		24	numa(ArmCOM)	gendinaltymich			2,085
Max. Seasonal Va	ariation		vacation shut	down	in summer		-1,100 on days
WATER SUPPLY  Domestic as Sanitary  Cooling  Industrial	nd/or		AV o G o P o d o		Маж о вор  так организация институтация и принципация и п	o d o	Treatment  were award and the Thirthwick and Been Section 2 and Thirthwick and Been Section 2 and Thirthwick and Been Section 2 and Thirthwick and Thirthwic
total	Welland	Canal	7,027,000				chlorinated
RAW MATERIALS  PRODUCTES			l oxide, colts	miCts (Contigue) under Legendoniche			
**************************************			and the Committee of the state		- ex-ensuration and confinements of	haron érnéméns Pr	ECONOMISSO DE COMO ESTADO ESTA

to Port Colborne sanitary sewer 150 USG/min Sanitary How Estimated Date Sampled Quantity W. J. Freeman June 10, 1959 7,000,000 Cooling visual 200,000 Industrial One eight foot concrete underground culvert to Lake Erie DESCRIPTION OF SEWERS Inside the plant grounds - some of the effluents can be south of plant. seen joining the total discharge in a large open pond. A surface drainage creek also arises on the south-west side of the plant

REMARKS: An analysis of 4.9 ppm Ni in the total discharge indicates a concentration of approximately 100 ppm in the nickel rinse effluent. A rough flow measurement on the sewer gave a figure of 5,200 Imperial gal/min in agreement with 6,500 US gal/min quoted by company sources.

# Main wastes lb. per day

Suspended solids 21,600 Nickel as Ni 340

Survey by;

F.J. Dart

June 8th, 1959

Date

10.

INDUSTRY	Maple Leaf Milling	Co., Ltd	_	COUNTY	Well:	and	-
ADDRESS	Port Colborne, L	ake Front		WATERSHED	Lake	Brie	-
-	Mr. C. C. Harwood Mr. R. Wilson, Su Mr. Leslie Butt,	perintendent	»				
PLANT OPERATION Aver. Max. Seasonal Va	24	day		per week		Plant Em	
	nd/or	Av. g.p.d.	,	Max. g.p.	d.	Filter	
RAW MATERIALS _	Grain						
PRODUCTS	Baking flour						
						-	

	Sanitary	2 septic tanks to rock	fill	
		Quantity	How Estimated	Date Sampled
	Cooling			
	Industrial	very occasional		
DESCR:	IPTION OF SEWERS	,,		
-				

REMARKS: Wheat washers have been in operation for at least a year Used normally in the past on smutty wheat. Future plans are now to use it continuously on all grades of wheat. This development whould be watched.

Survey by; F.J. Durt

Date June 4th, 1959

INDUSTRY N	Tational H	arbours Bos	xd		COUNTY _	Well	and	
ADDRESS	Port Co	olborne, L	ake front	Okrainsprodition	WATERSHED	Lake	Erie	patrana
PERSONNEL N								
PLANT OPERATION			y		s per week		Plant	Employees
Aver.		irregular		irr	egular		40	
Max.		24	_		7		110	
Seasonal Va	riation .		_				-	
WATER SUPPLY	Source	е	Av. g.p.d.		Max. g.p.	d.	T	eatment
Domestic an Sanitary			territoria gia gia gio colo colo colo colo colo colo colo co		***	колоновин	C10 <sub>2</sub>	
Cooling	Lake Erie					m/dermi) erenn	010	
Industrial	none					-	CHICAGO III III	
RAW MATERIALS _	Grai	n handling	only					
-								
PRODUCTS				es ade Arradiscoved		Million reduce the travel		
								-

	Sanitary	6	septic	tanks	to	rock	fill	<u> </u>			
	Cooling		Quan	ntity				Estimated			Sampled
	Industrial				-						
	THUS (II CO.		-		-	-		;	r r g,	-	
DESCRI	IPTION OF SEWERS	-	Nor	ne						-	
-							-				
-											
-											
-				<u> </u>							
-		-									
-		_									

REMARKS: Bin dust resulting from the grain handlinggets blown out on the water

Survey by; F. J. Art

Date June 8th, 1959

INDUSTRY Botsf	ord & McGee Ltd.		COUNTY Well	land.
ADDRESS Pine	1t.,		WATERSHED (	Old Welland Canal.
There	14	Office count from the engine of production of contract and contract to the contract of the con	secure temple of the later.	
PERSONNEL Mr.	A. Zameje - Sec.	Treas.	ages.com;come	
		ощен физичения сучения пересператор	neck schrichteric men	
were desired the state and for the		American and another commission are a second and another commission and another anothe	MConstitution County	
		uder Campaniciano in Estimo enco-mondringo i Calagram Campa - Car	age across handless	
PLANT OPERATION	Hrs. pe	er day	Days per week	Plant Employees
Aver.	9	ACM INCOME COME COME COME COME COME COME COME	5	12
Max.		and the second second		
Seasonal Va	ariation	activations in NOTINE Print	Win all MCCHRC A ACTIONS AND A PARAMETER AND A STATE AND A REST.	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic ar Sanitary	nd/or Thorold.		der gene Copplicate der service für eine er von der service sonne son	
Cooling	Thorold.			suggest and infrastructure restricts of the second
Industrial				Transcharce and medianders of an exercise Country of
Total		2,550.	3,660	Nil.
RAW MATERIALS	Various grades	of rubber - crud	te and cured carbon	black, sulphur,
	various pigment	S A	s action of the confirmation controlled to the characteristic of the confirmation of t	(pure) managamajana a 25 melanuari man (plana ) mani 16 melanuari mendamelan najmenti terdisirka 1800-1801
			maker Complex (Control Nation Control Nation Contro	
PRODUCE;	Solid rubber ti	res, rubber-co	ated metal component	ts, miscellan <b>è</b> ous
order to the	rubber fittings			
Bereit Charles and		and A State Arms and Tell of The section of Contract from Contract Contract (The Application Contract	The second section of the second seco	

T. F. E. CLEMAN	700	-	
WASTE	-1)	SP	OSAL

Sanitary To conit	Sanitary To conitary sewer. Thorold to Old Welland Canal.					
Cooling Industrial		How Estimated				
DESCRIPTION OF SEWERS A		ary sewer except boile				

REMARKS: Essentially a dry industry.

Survey by; F. J. Dart.

Date June 25, 1959.

INDUSTRY	oloko Steel Co. Ltd	1	COUNTY	
	Service - Servic		WATERSHED	selleging that common to the c
PERSONNEL	T. S. Thin - Plan		· · · · · · · · · · · · · · · · · · ·	
-				
PLANT OPERATION	Hrs. per	day	Days per week	Plant Employees
Aver.	5		88	30
Max.		agreement of the second		38
Seasonal V	ariation	design constraint		
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	nd/or		which has possible production of the specimens	
Cooling				
Industrial				
Total	Thorold	3000	3700	N11
RAW MATERIALS	Stoel wire.			
PRODUCTS	Wood sorews and	small hardware.	•	
-				
1				

5.61bs. of other soluble.

0.8 lbs. of solids.

Sanita	ry Sanitar	y Severe - Thor	old.	- Old Wella	nd Canal		
		Quantity		How Estimat	ed	Date &	Sampled
Coolin	ng .				-		Notice the second secon
Indust	rial		-				
Total		3,000		Water bill.		June :	24, 1959.
DESCRIPTION	OF SEWERS A1	1 wastes go to	senit	ary severs	recept the	stron	c osustic
cleani	ng solution.	This strong so	lution	is dischar	red to the	CNR a	itch beside
the pl	ant while the	rinse followin	g the	cleaning sol	lution is	discher	rged to the
sanita	ry sever.						
-							
					,		
REMARKS:	he cleaning so	lution (Permac	G-A 3	71-31) has a	pH of 12	.5 and	contains in
each 1	oad dumped non	thly contains:					
630 lb	e. of alkalini	ty as CaCO <sub>3</sub>					

Survey by; P. J. Dart.

Date June 24, 1959.

INDUSTRY Last	Minute Manufact	uring Co., Ltd.	COUNTY Well	and
ADDRESS	.00 Wellington S	treet, Thorold	WATERSHED 01d	Welland Card
PERSONNEL Mr.	L. Rapchuk, Pro	duction Foreman		
PLANT OPERATION	Hrs. p	er day	Days per week	Plant Employees
Aver.	8	AND THE PROPERTY OF THE PROPER	5	18
Max. Seasonal Va		100	emphosis ignococcus accordinate colonification (Print	
Seasonal Va		actualismo a 20 tormoni		
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Preatment
Domestic ar Sanitary	nd/or Thorold		Neille in communication in china de communication de comm	
Cooling	Thorold	Manuscript Control Con		
Industrial				
Total		16,500	26,000	nil
RAW MATERIALS _	White metal,	zinc, aluminum		
-				
-				
PRODUCTS	White metal,	zinc and aluminu	m castings	
Annahi Guyan yakinda				
	*			

	Sanitary	o Thorold sanitary sewers	3	
	Cooling Industrial		Estimated Date	e Sampled
Descr	IPTION OF SEWERS _	All outfalls to sanitary	g sewer of Thorold	
-				

REMARKS: Cooling water for dies is the only industrial use of water

Survey by; F. J. Dart

Date August 19th, 1959

INDUSTRY Murr	ray - Brant	ford Ltd.			COUNTY _	Welland	Barrageon commitments
ADDRESS High	way #58.				WATERSHED	Old We	lland Canal.
Thor	old. (Form	erly Bran	tford Felt)				
PERSONNEL J.E.	Cash - ma	nager.*					
	)						
PLANT OPERATION	1	Hrs. per	day	Days	per week	P	lant; Employees
Aver.		24	mping/mm0/mm2		6	-	60
Max.				enementale		comprised:	
Seasonal V	Variation					-	
WATER SUPPLY	Sour	ce	Av. g.p.d.		Max. g.p	.d.	Treatment
Domestic a	and/or Thorold		13,500		15,000	-	Filtered & Cl <sub>2</sub> by
Cooling	11						
Industria	1 "		377,000		376,000	E	law pumped by tow
Total			400,000		411,000		
RAW MATERIALS	Rags, old	i mattres	ses, waste pape	er, woo	d flour.		
	July 15.	changes	made - les	s rags,	no wood i	flour, we	ood rejects to
	new grin	ding mach	ine.				
PRODUCTS	Felt pap	er = 36 T	ons perday.				
* >	.,						
-		3					

Sanitary Disch	serged with mill waste	s to Old Welland Cana	11.
	Quantity	How Estimated	Date Sampled
Cooling			
Industrial		-	
Total	400,000	Water bills.	June 23, 1959.
DESCRIPTION OF SEWERS	One sewer dischargi	ing directly to Old We	elland Canal west of plan
		Name of the second seco	
DUMADICO		(	the mand medants will

REMARKS: July 15, 1959, operations with new grinders employing wood rejects will likely increase water comsumption and wastes. Composition of the paper product will change - no wood flour as well as a reduction in amount of rags used.

Pounds daily:

B.O.D. 1440#.

Susp. Solids 1020%.

Survey by; F.J. Dart.

June 23, 1959.

Date

industry	Provincial Paper	Ltd.	COUNTY We	lland
ADDRESS St. I	David Street and Pin	e Street, Thoro	ld WATERSHED 01d	Welland Canal
	Dr. G. I. Hoover, M Mr. W. A. Logan, Ch Mr. J. Sinclair, Se	ief Chemist*		
PLANT OPERATION Aver.  Max.	24		Days per week	Plant Employees
WATER SUPPLY  Domestic Sanitary  Cooling  Industria	and/or Thorold	Av. g.p.d. 29,000	Max. g.p.d. 37,000 7,600,000	Treatment  treated  raw from town  Alum, filter, Cl
RAW MATERIALS	Waste paper 70		ulphite and kraft pu	lps 100 tons/day
PRODUCTS	Fine paper 170	tons/day		
4.				

Sani	tary W	ith mill wastes t	to Old Welland Car	ıal	
Cool	440	Quantity	How Estimat	ed Date Sa	umpled
	strial	5,500,000	Company wein		1959
DESCRIPTION	n of sewers	Two sewers exter	rnal to building.	The southern-mo	st
carry	ing 1.7 MGD to	2.0 MGD of caust	tic drinking waste	es and approximat	ely
2.2 M	GD of bleach p	lant wastes . T	ne northern-most	irain carries off	the
paper	machine waste	s (1.8 MGD)			
-					-
REMARKS:	Separate rep	orts	*		
	Daily wastes	\$	B.O.D.	Susp. solids	į:
	drinki bleach paper		14,020 3,190 5,220	21,280 2,860 9,030	
	To	tal	22,430	33,170	

These figures agree in general with company figures of 5.0 to 6.0 tons/day paper machine: 1.9 to 2.5 tons/day bleach plant: 8.5 to 10.5 tons/day drinkers (monthly averages). Wastes are heavy when-ever the pulp stock is changed. The difference is very observable

Survey by; F. J. Dart

Date July 7th, 1959

INDUSTRY - Spun	Rock Wools Ltd.,		COUNTY	and.
ADDRESSOrmo	nd St.,		WATERSHED	4 Welland Canal.
PERSONNEL	C.R. Buss - Henne		CONTRACTOR	
PLANT OPERATION		er day	Days per week	Plant Employees
Aver.	2	Alemanomo		
Max.		page and instinct		
Seasonal V	ariation Freque	ntly off operation	The standard construction descriptions and the standard of the	theirs josephilately auditohed-escalated-eschedieschilated
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	nd/or Thorold	No meter.	en stan de l'inflamite commisse repuetration repuetration en une mon	1/11
Cooling				
Industrial		Group to continue to the Addition Company to the	MORPH AND REPORT OF THE ANGLES OF THE PROPERTY	CONSCRIPCION CONSCRIPCION CON PARTICIPATO CONTROL CONT
RAW MATERIALS		accencio anteriorimo congritorate accención al CARCARROTH, APP ACTIVISTRA-SER A Con activo colhectus gillenção anteriorimo Chief Assectivo, 2003, Para anal Ser Schwi		
PRODUCE:	Spun rock wool.			

	Sanitary To sanitary sever Old Welland Canal.				
			How Estimated		
	Cooling				
	Industrial				
DESCRI			rold.		

REMARKS:

Survey by; F. J. Dart.

Date June 25, 1959.

INDUSTRY Ther	old Concrete Flock	Co. Ltd.	COUNTY Wells	nd.
ADDRESSDavi	s Road near canal	bridge.	WATERSHED 016	Wellend Canel.
PERSONNEL Mr.	J. Heramobuk, offi	ce sonsger.		
errotestandrial				
PLANT OPERATION	N Hrs. pe	r day	Days per week	Plant Employees
Aver.	8	The street of health productions to		55
Max.	mediacomometrica altre	ShellConnectoris surspected	CHARGE MCD-ACT LOCATIONS INVESTMENT (BINDS NO.2 LD-NO.)	
Seasonal	Variation	CHARLES SCHOLLAND	NA CONCARCA ACTIVI CARLANDONICA PROPRIATA PROPRIATA PARA CONTRACTOR CONTRACTO	CONTRACTOR AND PROPERTY AND ADMINISTRAÇÃO
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic s Sanitary	and/or Welland.	1	We than complement with the control of the control	
Cooling	Welland.			
Industria	1			
Total		14,200	14,400	Nil.
RAW MATERIALS	Washed sand, and	gravel, cement.		
				er general en Franspire d'anni para Sinna en China China (China China Ch
PRODUCTE;	Concrete blocks.			
		Commission and an in the commission and sent source for the American St. March. School (con-		
the state of the s		Continuous continuous continuo se a continuo de contin	Ma. See agin-registragijin regist agos akto reported histories transproprietation placeta a consupri se transp	

THE REPORT OF THE PARTY OF THE	TSPOSAT.
ALC: NOTE IN THE PARTY OF THE P	1180181

	Sanitary	sanitary sever Thorol	d to Old Welland Cone	1
		Quantity	How Estimated	Date Sampled
	Cooling	14,000	Water bill.	
	Industrial			
DESCRI	PTION OF SEWER	S _Everything to sent	tory sever	
_				
_				
_				
_				

REMARKS: Water also used to mix cement, but does not occur as a waste.

Survey by; F. J. Dart.

Date June 24, 1959.

INDUSTRY _	DUSTRY Thorold Pulp Co. Ltd.					COUNTY Welland.			
ADDRESS _	Near Ormon	d and St	t. David St	reets.		WATERSHED	<b>01</b> d	Welland	Canal.
	Thereld.								
PERSONNEL	Mrs. J.F. W	ilson -	Superinten	dent* by	phone.				
	O. Chenard	- produc	tion super	intendent					
	\								
			-						
PLANT OPER	RATION	Hrs.	per day		Days	per week			Employees
Aver.		-	24			66			14
Max.		**************************************						consideration and residence of the same	16
Seaso	onal Variatio	n						Commission and Commission of the Commission of t	
WATER SUPP	PLY So	urce	Av.	g.p.d.		Max. g.p	.d.	Tr.	reatment
Domes Sanit	stic and/or ary <u>Thor</u> e	ld				this Asign appropriate and according to the second	-	-	
Cooli	ng "		_		,		-		
Indus	strial		_					CONCENSION NAME AND ADDRESS OF THE PERSON NAME AND ADDRESS OF	
Tot	cal		382,	000		425,000		r	aw.
RAW MATERI	IALS Woo	d.			-			otherwise and the description of the co	
PRODUCTS	Grou	and wood	fibre.	~				Miller Christian and Marketine and Health	
	7								-
						, , , , , , , , , , , , , , , , , , , ,		Charles and Philosophicans and States	

Sanitary	Discharge with main waster	s to Old Welland Can	91.
	Quantity	How Estimated	Date Sampled
Cooling			The state of the s
Industrial			
Total	382,000	Water bills.	July 7, 1959.
			1,4

REMARKS: Daily Waste:

B.O.D. 2030#

Susp. Solids 7820#.

Survey by; F.J. Dart.

Date July 7, 1959.

INDUSTRY	York Electr	oplating I	td.	COUNTY	Welland
ADDRESS	Ormond St.	Highway #	58	WATERSHED _	Old Welland Canal.
***************************************	Thorold.				
PERSONNEL	Mr. C.H.Yor	k-Manager.	*	al approximations	
				а моннования	
				integrating Day County	
PLANT OPERAT	ION	Hrs. per	day	Days per week	Plant Employees
Aver.		8		5	
Max.		10	commence	6	20
Seasona	l Variation		CO III MADONINI		
WATER SUPPLY	Sour	ce	Av. g.p.d.	Max. g.p.d	l. Treatment
Domesti Sanitar	c and/or			We have progression and the progression of	
Cooling	Transfer sanger and the	-			
Industr	ial				
Total	Thor	old	32,000		Treated/
RAW MATERIAL	S Casti	ngs or sta	ampings to be r	olated.	
PRODUCTS	Finished pro	ducts. P	lated variously	with copper, can	lmium, Nickel,
-	Chromium, br				
			earne Chief and Shared House Course Street Street Countries of State St. (Chief Street	chingto girmylimi (minimylimi popurcinajo maninchi ante achinologica dei	
7	я .			D HIO	

S	Sanitary	To San	. Sewer to Old	Welland Canal.	
			Quantity	How Estimated	Date Sampled
C	ooling	-			
I	ndustria	1 -		PUC Estimates	June 25, 1959
					A
			Miles de Con	Course	
ESCRIP	TION OF	SEWERS	Closed to San.	Sewer.	
-					
_					
_					
-					
				t	
EMARKS	· Daily	Wastes:			
		CU	0.12#		
		CN	0.35#		
		Cr	0.24#		
		Zn	0.04#		
		POD	1.08#		
		Cuan Calid	2 (01		

Survey by; F.J.Dart/

June 24,1959. Date

INDUSTRY	Norton Co.		COUNTY Wel	land
ADDRESS	Chippawa		WATERSHED W	elland R.
F. J	J. Daly, Vice-Pres J. Rutland, Manage J. Barr, Plant Eng		could's restrictions	
PLANT OPERATION	Hrs. pe	r day	Days per week	Plant Employees
Aver.	24		7	600 - 700
Max.			shangering in any security resolvents because alternative colored	
Seasonal V	ariation	operation for 3	63 days per year	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	nd/or Chippawa	20,000		nil
Cooling	Welland R	5,760,000	Arm St. Well Characters from Equation part on the model or many	nil
Industrial			ORDERS OF STATE AND STATE AND	Company and Market Company and Address Company
,	Boaxite, sili	.ca sand, coke		
PRODUCTS:	Abrasives			
(Managing States)				
endification/e				

T # 4 (75 mm)	the time of the time of the time of the time	
WASTE	DISPOSAT	
AA 3277 3 1 1.74	DI PAR (PAM)	

	Sanitary _	To	village ser	vers ( 20,	000 g/d	Est.	30 g/pe	rson	
				,					
			Quantity		How Est	imated		Date	Sampled
	Cooling		5,760,000		Pump car	acity		manage in Sale	
	Industrial			-					
DESCR:	IPTION OF SE	WERS	2 sewers	discharge	to dito	h to W	elland	River	
	2 sewers	discharg	e directly	to Wellan	d River				
	several	settling	basins are	installed	in sewe	ers to	settle	solida	3
_	dies.								
-									NAME AND ADDRESS OF THE OWNER, WHEN THE OWNER,
-									
-								-	

REMARKS:

One small'special product' operation uses an acid (H<sub>2</sub>SO<sub>4</sub>) wash. This effluent discharges at about pH 1. However, the tremendous volume of cooling water dilutes this waste to a great extent. 40 gallon/min. of pH 1 water was estimated by the Plant Engineer. This is diluted by 4,000 gal/min of cooling water

Survey by; E. T. Ciebien

Date June , 1959

INDUSTRY E.	Weightman & Son	18	COUNTY Weller	ıd
ADDRESS	Chippawa		WATERSHED Wel	land R
PERSONNEL Mr.				
)				
PLANT OPERATION	Hrs. pe	r day	Days per week	Plant Employees
Aver.	- 6		5	5
Max.				tomac language production of temporary and the distinguishing company and combined
Seasonal Vari	iation	AMERICAN SCHOOL PRINTERS	the object and blackers could be progress, that the course	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and/ Sanitary	/or			
Cooling		THE RESIDENCE AND ADDRESS OF THE PERSON OF T	Mile Street Committeed resources place growing programs (programs)	
Industrial	Township	1,550	3,850	nil
	100, to	250,000 g/3 mo	nths	
RAW MATERIALS	sand, ston	e, cement, wate	r	
Number Co.				
		Description of Marchael Commission and Commission Commi		
-				
PRODUCTE:	Ready-Mix co	ncrete		
			comes, socialismente agrees acta a porte acid angles responsive activa expression agree activa extra cident de responsibility.	

Sanitary	To	sanitary sewer		
		Quantity	How Estimated	Date Sampled
Cooling				and the state of t
Industrial		1,550 q.P.d	water bill	-
		100, + 250,000	g/3 months	*
DESCRIPTION OF S	EWERS			May and the Control of the Control o
-				
	M			
REMARKS:	most of th	e water purchas	ed is sold in the pro	duct.

Dry industry

Survey by; E. T. Ciebien

Date June, 1959

INDUSTRY Bac	er Refrigers	tion Ltd.			COUNTY Wel	land	
ADDRESS 391	Gorham Ros	d			WATERSHED	Lake Eric	-
Ric	lgeway Ber	tie Townsh	<u>ip</u>				
PERSONNEL Mr.							
* }	frs. E. Baer			(Andrew Comm			
				COMPANY TO SERVICE AND ADDRESS OF THE PARTY			
				D		Dlont	Employees
PLANT OPERATION		_			ys per week	Plant	
Aver.	-	8	actions:	-	5		6
Max.	-		and the second s	-			
Seasonal V	ariation _		-	ne-contra	and the property of the Control of t		
WATER SUPPLY	Source	e	Av. g.p.d.		Max. g.p.d	. Т	reatment
Domestic a Sanitary	nd/or Bertie	Twp.	No meter				N11
Cooling		of Direct Standy Standy Standard				-	
Industrial		accession accession accesses	Name and Address of the Owner o		THE DESCRIPTION OF THE PROPERTY OF		
DALL MARROTATA	Wash -						
RAW MATERIALS	₩001, S	teel, 1101	eglas, plasti	C, 8	roorite.		
	Profile Conspose (Ann Conspose) make a tendri			ACHIEVA (P.			
					eren Jahren Chronic State (State Control State Control Sta		
PRODUCES	Freezers	(walk-in)	, bars, count	ers.			
			many and hand, hand, if the last of the la				
. Annale signification of			era provincia matematica de deservicio de la Particio del Particio de la Particio de la Particio del Particio de la Particio del Particio de la Particio de la Particio del Particio de la Particio de la Particio de la Particio de la Particio del Particio				
Grand in Company transfer			nagiji na danayini na kena inanci inada inada na dipa sabinené tamat kena i				

	Sanitary	To	septic	tank.				
			Quan	tity	How	Estimated	Date	Sampled
	Cooling							
	Industrial				_		-	
DESCR	IPTION OF SEWERS							

#### REMARKS:

Dry industry.

Survey by; E. T. Ciebien.

Date

June 25, 1959.

INDUSTRYC	line's Orn	amental I	ron Works		COUNTY _	Wella	nd	-
ADDRESS	stevensvill	e			WATERSHED		Creek	to
E	ertie Town	ship				** <b>TO</b> SO	20	
PERSONNEL *	Mr. C. Cli	ne - parti	ner					
Non-approximations have	F			CHACONADRACIONO				
mitalisation	, )		CONTRACT AND ARREST ARREST AND ARREST AND ARREST AND ARREST ARREST AND ARREST ARRE	Constitution State Communication				
rhandlen Caracteria								
PLANT OPERATIO	N	Hrs. per	day	Day	s per week		Plant	Employees
Aver.		8	machine (machine)	-	5	-	5	
Max.					alteriory installed heater passections of these	-		
Seasonal	Variation			****				
WATER SUPPLY	Sour	ce	Av. g.p.d.		Max. g.p	.d.	Tr	eatment
Domestic Sanitary	and/or Bert	ie Twp	No meter				Ni	1
Cooling	Constitution (Constitution of Constitution of		man consider promonunism at a many margin star may					
Industria	1	grande Company Const	market and an artist of the Control of the Control			manufacture .		
RAW MATERIALS	Iron	bars.						
PRODUCTE:	Tron re	ilings.						
	TION 1a.	111160.			ational lay or their open and an extension recovery the offer to 12 forms (AA, W		Total Section Control Section Control	
			annesse pendi pendi terro Chang Sand anno Sandilla al Canada anno Sandilla al Canada					
			Annal bard and Consequent and sensitive conference on the will sense and an					

	Sanitary	To or	utdoor	lavatory.					After a transfer of the same o
			Quanti	ty	How	Estimated		Date	Sampled
	Cooling	_	-	dispositionism					
	Industrial	_	-		-			-	
							,	,	
DESCRI	PTION OF SEWERS		-						
_									
_									
-									
-									
-									
						,			

REMARKS:

Dry industry

Survey by;

Date

INDUSTRY	Commonwealth Sh	oe Co. Ltd.	COUNTY Well	land
ADDRESS	Hibbard St.		WATERSHED	Lake Erie
	Ridgeway Ber	tie Township	graduation of the state of the	
PERSONNEL	Mr. R. T. Webst	er, President		
	and procedure of the state of the	Charles and a give in standard and a give in the Charles and a charles a	Mountinement	
	radio nafros. Se elamo francisco long ( vel. Seg (mil.) vel megaño dimetro de Mal. II		accord after send	
PLANT OPERATION	Hrs. per	day	Days per week	Plant Employees
Aver.	8		5	40 ± 5
Max.		na Caracita de		
Seasonal Va	riation Nil	SECONOCIONAL		
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic and Sanitary	d/or Bertie Twp.	No meter		
Cooling		Minut Standard Control Minut Standard S		
Industrial				
RAW MATERIALS _	Processed 1	eather.		
_				
_	The Company of Company of the Compan			
PRODUCTS	Shoes.			
	2.1000	na gymnach sonaigh ann a maeigh ann air an ghan dh'ann a' Annach ann Chan Chann ( An Air Annach		a control de la
times confirmational and have		rang, mang, pang i persolannag innag anna taranjan sel-bendam Gilladdi, al-Ch-sel-comod		
rived the Language and American		machina designa	ar agus atanggi in saar ra ar sta suurus deed deed deed deed deed deed deed de	

Sanitary	To septic tanks.		
Cooling	Quantity	How Estimated	Date Sampled
Industrial	0		
DESCRIPTION OF SEWERS	-		

REMARKS:

Dry industry.

Survey by; E. T. Ciebien/

Date

June 25, 1959.

INDUSTRY	Erie St	one Co. L	td.	e antonio della cons	COUNTY _	wellan	А
ADDRESS	Bassett	Avenue		. N	/ATERSHED	Lake	Erie
	Bertie	Twp. (P.0	. Box 1159 For	t Erie	)		
PERSONNEL	Mr. V.	Strattan,	President				
	* Mr. B	. Spencer	, Assistant Ma	nager			
)							
, mind qualify and considerable			anglik maglidangilan nilipungi latan magjianan kanastari anjin nilibu ngamad bir ng m				
			anne anne Concell (Concell Concell Conce				
PLANT OPERATION		Hrs. per	day	Days	per week		Plant Employees
Aver.		81			5		14 ± 2
Max.				MINISTRACE AND ADDRESS OF THE PARTY OF THE P			
Seasonal Va	riation .	Nil	an acompositions	No. of Lot William Street, Street, St.	ers, ring a subsequency in a Young street was		
WATER SUPPLY	Sourc	е	Av. g.p.d.		Max. g.p	.d.	Treatment
Domestic an Sanitary	d/or Berti	ie Twp.	No meter				Nil
Cooling	Promotive Compagnetic and Bridge	territori, tradecandomic	MANAGEMENT AND AND AND AND AND			MARCHINE THE MILE	
Industrial		Denni Carrespinant Gerggerenn	MANAGEMENT OF THE PROPERTY OF		- Con		
RAW MATERIALS _	Sand	stone, c	ement, water.	NACIONAL PROPERTY AND ADDRESS.			the Committee of American Committee Committee of Committe
-	B TO CONTROL CONTROL DO THE STREET						
-							
_		One of the last of	Discussion Constitution (Constitution Constitution Consti				
PRODUCTE:	Imits	tion buil	ding stones.				
			And Anna Control and State Control and				
	Α.				A SOURCE STATE OF THE STATE OF		

T. E. S. CT (PROTES)	DICTORACAT
WASTE	DISPOSAL

Sanitary _	To seption	tank.		
Cooling Industrial		Quantity	How Estimated	Date Sampled

#### REMARKS:

No industrial liquid wastes.

Survey by; E. T. Ciebien.

Date June 25, 1959.

INDUSTRY _	Fleet Manufacturing Co. Ltd.	COUNTY Wells	and
ADDRESS	Gilmore Road	WATERSHED Nia	agara R.
-	Bertie Twp.	-	onomina o vicon
PERSONNEL	Mr. M. Costello, Vice-President & Gene	eral Manager	
	* Mr. G. P. Morphy, Comptroller	-	
	* Mr. W. Pfeiffer, Plant Engineer	-	
	* Mr. C. Huzarski, Plating Room Foreman	-	
	* Mr. A. Sagat, Draftsman.		
PLANT OPER	ATION Hrs. per day Da	ays per week	Plant Employees
Aver.	8	5	400 ± 20
Max.			
Seaso	nal Variation		
WATER SUPP	LY Source Av. g.p.d.	Max. g.p.d.	Treatment
Domes Sanit	tic and/or ary	the gloridational continues and continues are stored	
Cooli	ng Bertie Twp. 80,000	Communication of Automotive Agreement sense among the Communication and	Nil
Indus	trial	Constitution of the Consti	
	20,000,000 gallons 1958		
RAW MATERI	ALS Steel, sheet metal, aluminum, fib	reglas, plastic.	in actions from the accusant American Complete States and American Complete States and American Complete States
	The second section of the Long State of the Control		
PRODUCTE:	Rocket holders, aircraft parts, ra	dar antennae.	
			Description Description of Description of August 2000 and Augu
			CONTROL A MINISTER CONTROL ESTABLISHMENT AND

WASTE	DISPOSAL	0	(12,000 gallons/day est. 30 gal/person) Septic tank, chlorination, to ditch to Frenchman's Creek to								
	Sanitary	Septic	tank,	enlorin	And the second second	to ditch		hman	s Cre	ek to	-
	Cooling	)	Quar	ntity		How Esti		)	Date	Sample	d
	Industrial	}	68,	000		Water 1	ill		June	1959	_
DESCR	IPTION OF SE	ewers The	sewer	s at th	is plar	t are not	all loc	ated	on pl	ans, h	ence,
	it is diff	icult to	determ	ine the	units	dischargi	ng to th	e sev	eral	outfal	ls
	from the c	ompany pl	lant sit	e. How	ever, t	he entire	flow co	mbine	s and	passe	s
	through th	e golf o	ourse d	itch to	French	man's Cre	ek.				
						10 Par 10 November 1				-	
							· c				
REMARI		ions which	h cont	ributa 1	lianid	industrio	l voctor	from	thic		

plant include:

- plating,
   anodizing,
   cooling.

A flow plan of the plating and anodizing operations is held in the Industrial Waste files.

Survey by; E. T. Ciebien

Date June 3, 24, 25, 1959.

INDUSTRY	Imperial Alumin	um Company		COUNTY	Wella	nd	
ADDRESS	Victoria Street			WATERSHED	Niaga	ra R. Creek	
Printed and control of the Control o	Stevensville,	Bertie Twp.		ATS	DISCK	Joseph	
PERSONNEL	Mr. D. H. Dunda	s, General Manag	er_				
PLANT OPERATION	Hrs. pe	r day	Days	s per week		Plant Emplo	yees
Aver.	8			5	_	6	
Max.	STATE OF THE PROPERTY OF THE P		-		_		
Seasonal Va	riation Nil	Qualitatica at Artification	61-1010/0000	Cannon Charles Charles (Charles Charles Charle	-		
WATER SUPPLY	Source	Av. g.p.d.		Max. g.p.	d.	Treatme	ent
Domestic an Sanitary	d/or Bertie Twp.	No meter		_		Nil	
Cooling		machine despondent at a final and a final					
Industrial							
RAW MATERIALS _	Aluminum,	glass, screen.					
_			-				
_					and midmid memory		
-			ng protessionerstelleren				
PRODUCTE:	Aluminum wir	ndows, doors, scr	reens.				
						District of Control of the Control o	
~							

Sanitary	To septic tank to Bl	ack Creek.	CARLOS SERVICES AND CONTRACTOR OF THE CONTRACTOR
	Quantity	How Estimated	Date Sampled
Cooling	0		
Industrial	0		
DESCRIPTION OF SEWERS	-		

REMARKS:

Dry industry. No liquid industrial waste.

Survey by; E. T. Ciebien.

Date June 25, 1959.

INDUSTRY	Monarch M	assage Equ	ipment	co	UN <b>TY</b>	Welland		
ADDRESS	12 Maple	Street		TAW	ERSHED	Niagara	R.	
Montalinan' (no applicant promptions	Bertie Tw	p.(P. O. B	Sox 1249 Fort Er	ie)				
PERSONNEL				paul tending had				
-	Mr. C. Wa	ssman, Man	nager	0.0-0-0-0				
-				Continued plant pass				
-								
PLANT OPERATIO	N	Hrs. per	day	Days pe	er week	P	lant Emp	oloyees
Aver.		8		5		-	30 ±	5
Max.			annum pangkana Cropes I					
Seasonal	Variation					Complete, and		
			1					
			Av. g.p.d.	Ma	ax. g.p.	.d.	Trea	tment
Domestic Sanitary	and/or For	t Erie	No meter	wester				
Cooling				amedicació				
Industria	.1		Rescharge services and continued the continued to the con	****				
RAW MATERIALS	Steel,	foam rubl	per, material, e	electric m	notors,	etc.		
				ACTUAL PROPERTY OF THE PARTY OF				
			er Steam, See His Bellemen Steam Devent Steam (Avent Steam, Steam, St. Bellemen Steam, St. St. Steam, St.					
	77. 64. 4		A A					
PRODUCTG	Electric	massage (	equipment.		and decreasion of the Estimates St. St.			
-								
						_		

Sanitary	Septic	tank & weeping	tile			
		Quantity	Н	ow Estimated	Date	Sampled
Cooling				gangarinan ing casarina managan anna di Amerika perse		
Industrial						
SCRIPTION OF SEW	ERS					
					-1	

REMARKS:

Dry industry. No industrial liquid waste.

Survey by; E. T. Ciebien.

Date June 23, 1959.

INDUSTRY	Trico I	Products			COUNTY _	Wellar	nd	
ADDRESS	210 Dog	minion Rd.		_	WATERSHED	Lake	Erie	
Servera Congres Comp annimotion	Bertie	Twp.						
PERSONNEL								
	Mr. R.	Spratt, Mar	nager					
PLANT OPERATION		Hrs. per d	ay	Day	s per week		Plant	Employees
Aver.		8	processes.		5	,		4
Max.			-					
Seasonal Va	riation	disability and first out the submitted of	Oncore	***************************************				
WATER SUPPLY	Sour	rce	Av. g.p.d.		Max. g.p	.d.	Tr	eatment
Domestic an Sanitary	d/or Bert	ie Twp.	No meter		***************************************	onicipant prom	N	il
Cooling		Committee of the Commit						
Industrial							-	
RAW MATERIALS _	Warel	house for Tr	rico products	ine wi	ndshield w	ipers	etc.	DAMES AND
-								
_						Oraș annoual Pres anno		
PRODUCTE								
							0.00	
			COLUMN CO					
^	A							

	Sanitary	To septic tank		The same of the sa
	Cooling Industrial	Quantity	How Estimated	Date Sampled
DESCR	IPTION OF SEWERS			

#### REMARKS:

No industrial liquid waste. Dry industry.

Survey by; E. T. Ciebien.

Date June 25, 1959.

INDUSTRY	Truly Mag	ic Product	ts		COUNTY _	Wellan	<u>d</u>	-
ADDRESS	220 Domin	ion Road			WATERSHED	Lake	Eri.e	
	Bertie Tw	rp.						
PERSONNEL								
Management Company	Mr. H. Ra	ymond						
emolar pinagina di mala		Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner			9			
- menting Confessionalism					e			
PLANT OPERATION		Hrs. per	day	Da	ys per week		Plant	Employees
Aver.		8		_	5	-		3
Max.							acticione and and	
Seasonal Va	ariation		promover					
WATER SUPPLY			Av. g.p.d.		Max. g.p	.d.	T	reatment
Domestic ar Sanitary	nd/or Berti	ie Twp.	No meter		Salah Dan Garage and Salah		manages passed solets	
Cooling						oncesses.		
Industrial						COLUMN TO A STREET	CHARLES CHARLES	
RAW MATERIALS	Foam rul	bber, clot	h.					
a section of the sect								
					Committee of the commit			
•								
·								
PRODUCTS	Rubber	coasters,	novelty goods.		Charles (De article and a Charles (NeCh	<del></del>		
-							entimento son della	

Sanitary T	o septic tank.		
024/20	Quantity	How Estimated	Date Sampled
Cooling	0		
Industrial	0		
DESCRIPTION OF SEWERS			

REMARKS:

Dry industry. No industrial liquid wastes.

Survey by; E. T. Ciebien.

Date

June 25, 1959.

INDUSTRY	Wallace & Tiernan	Ltd.	COUNTY Wel	land
ADDRESS	Lucidol Division		WATTERSHED I	ake Erie
ADDRESS			Mary T and Co. ( Trans.)	Commence of the Commence of th
-	Bertie Twp.			
PERSONNEL _			consistent freezons/more	
_	Dr. F. V. Hoaft, G	eneral Manager	COMPANIES AND	
-	* Mr. A. Spear, P.	lant Manager		
****				
PLANT OPERAT	TION Hrs. pe	er day	Days per week	Plant Employees
Aver.	(9½ x	1) + 8	. 5	7
Max.		gang transmitted trans		
Seasona	al Variation	COLUMN STREET	An object of the Contract of t	
NAMED CHIDITS	Y Source	Arr or n d	Max. g.p.d.	Treatment
		Av. g.p.d.	rax. gopou	11 Ga umorru
Domest: Sanita	ic and/or Bertie Twp.	6,500		Nil
Cooling				and the Core of Management Core of Cor
Indust	rial		der Cara partie di serp es di seri periore de serie en des	INVOICE COMPANY AND ADDRESS OF THE PROPERTY OF
RAW MATERIA	S Benzovl chleri	le notash alum	, sodium peroxide,	lauric acid. etc.
NAW PATERIA	D Delizoy1 citto11c	io potabile alum	is sources poroxidos	TORT TO GOTTE DAYS
			the first Construction recovery to operation and construct Column tradesco.	
			(	Company on Control State In Control Stat
PRODUCTS:	6 Fons/week of or;	ganic peroxides		
	(1) Blend of peroxic	les	-	
	(2) Lauroyl peroxic			
		and programmed classic description control descriptions of control description	are an administrating grown as in the state of	Company of the Compan

Sanitary	To septic tank.		
15.	Quantity	How Estimated	Date Sampled
Cooling	4,600 G/D	-Mr. Spear	June 11, 1959
Industrial )	1,800 G/D	Betches	June 11, 1959
DESCRIPTION OF SEWERS	All process waster	s flow to an open dite	h. The ditch
extends for 13	miles before reaching	ng Lake Erie. The fir	st ½ mile of
this ditch is o	n private property.	Ordinarily the waster	s do not go
very far in thi	s ditch. The water	drains into the soil	or evaporates.
Only during hig	h waters does any o	f this flow go directly	y to Lake Erie.

#### REMARKS:

The samples taken show very high pH fluctuation and large concentrations of dissolved and suspended solids. These wastes should not be permitted to reach the lake in this condition.

Survey by;

E. T. Ciebien.

Date

June 10, 1959.

INDUSTRYC	anadian Land	Vs Die & Ma	chine Co. Itd.	g=======	COUNTY	Wellan	<u> </u>	
ADDRESSO	ntario Road	at Southwo	rth St.		WATERSHED	Lyons	Crack.	
PERSONNEL _M	r. E. Watt	Plant Sup	t	-				
_								
_								
PLANT OPERAT	TION	Hrs. per	day	Days	per week		Plant Emplo	yees
Aver.		8	нужения	-	5	***	8	
Max.		www.successorem.com	na transportation p	instituto et la	CHEST NEWS SERVICE AND SERVICES	-		
Seasona	al Variation		BUT SOFFICERE	en stantoneth in	ON MALEKANDERS OF THE REAL PROPERTY.	Count	de, stampfort made as from many management makes	-
WATER SUPPLY	? Sou	rce	Av. g.p.d.		Max. g.p.	d.	Treatme	ent
Domesti Sanitar	c and/or	id			to diversi the responsibility of the contraction of	OLIVE STATE OF THE	wanted and property and the control of the control	
Cooling	Weller	d			ORDER OF STREET, STREE	and the same of th		
Industr	rial Weller	d	hadadaalineEkkinpineEkkino		×1	OR AGREEM	темства лико насущением положением	March College Street, Street,
Total			500				Nil	
RAW MATERIAI	S Iron ar	nd Steel co	mponents.		ONE AND EXPONENTIAL PROPERTY.	, marchine See Sylvey Street, See Springer		Mark Control
	_ Hydroch	loric (HCI	) and acetic (	CH <sub>2</sub> COOF	i) acids so	lium a	nd potassi	10
	cyanide	s for nitr	iding.					
					and the second s			-
PRODUCTE;	Tools	and dies.						
			MANINGEN IN THE CHARGE SHALL S					
			enderwag zon es, sem-uperens proce ("ann à franchiste est envir envent in sulta, es d'immestre ann d'Anna ("ann ("ann ann ann ann ann ann ann ann ann ann					
			The state of the s					

Sanitary _	To twp. sanitary sewers	to Eyons Creek.	
	Quantity	How Estimated	Date Sampled
Cooling	400	earlier meter readin	gs.
Industrial	*	( no longer metered)	
	500		
DESCRIPTION OF SE	WERS Township sewer.		

REMARKS: Any pickling of metal components is on a very small scale and very occasional. Nitriding is done also on small scale, and 25# of cyanide has been ordered every 2 years. Users claim that 60% of the cyanide content evolves as fumes. Waste cyanide is treated with chloride of lime and land dumped. The only source of contamination is the parts rinsing after nitriding.

Survey by; F. J. Dart.

Date June 9, 1959.

INDUSTRY Clima	atite Alumi	num Sash L	td.		COUNTY W	elland	M ONLY SHOWN COME
ADDRESS	Major St.	at Schofie	1d		WATERSHED _	Welland	. R.
***************************************	Crowla	nd Townshi	<u> </u>				
PERSONNEL 1	Mr. F. J. M	orabit, Pr	es <b>i</b> d <b>ent</b>				
1	Mrs. Joan M	orabito		CR MCM-VERTICESION			
Water Supplier and Principles and Transport							
Procedural and Innovation							
PLANT OPERATION	I	Hrs. per da	3.y	Days	per week	Pla	nt Employees
Aver.	-	8			5	mater consolid	4
Max.	-			makes A. AC		***************************************	OI NO MICHIGANIC CONTRACTOR CONTR
Seasonal V	ariation .		gener	**********		-	
WATER SUPPLY	Source	e	Av. g.p.d.		Max. g.p.	i.	Treatment
Domestic a Sanitary	nd/or	y	No meter		The Monte Committee of Committe		nil
Cooling		economic mediane			resent and another september 2 miles of miles	-	Co sugali glianicomopyropinicomo nelle si interiori
Industrial						supres oncom	
			*				
RAW MATERIALS		aluminum	a, glass, sor	een			
PRODUCTE		aluminum	storm doors,	windo	ws and scre	ens	
			THE PARTY AND TH			A SECTION CONTRACTOR C	
Marian photographed							
Amedin Conscious and						any giri mi Orma Carac Sama Carac Sama Carac Sama	

Sanitar	у	to sanitary	sewer	
		Quantity	How Estimated	Date Sampled
Cooling	;			appearance and the first state of the second
Industr	rial			
				· · · ·
				*
DESCRIPTION O	F SEWERS			
REMARKS:				
	Dry indu	n denine		

Survey by; E. T. Ciebien

Date

July 8th, 1959

INDUSTRY Ele	ectro Metal	lurgical C	o., Ltd.	COUNTY W	elland		
ADDRESS	King Highwa	y #58 east	bank of Canal	WATERSHED W	elland Canal		
	south of W	elland	ment a very to one to recognishes to we have a production on the production of the star of the star of the star	SECTION AND CONTRACTOR			
PERSONNEL	Mr. J. M.	Trott, Pl	ant Manager*	a convenient			
On Company		AND REAL PROPERTY OF THE PARTY	dent				
Mr. D. J. McIntyre, Vice-President							
		Controlled a State of Controlled State of Cont	HOLE THE TALK AND THE PROPERTY AND THE P				
Onsigned	(political) in a file collection from China (Security Anni China (Security Anni China (Security Anni China (Se		PRECIDENT CONTENTS AND ANY COMPANY OF CONTENTS C				
PLANT OPERATI	ON	-	day	Days per week	Plant Employees		
Aver.		24	PTE (PRE) THE CONTRACTOR CONTRACT	7	850		
Max.		онновину выполновичения поменью по	шинов	COMMUNICATIVE AND ADMINISTRATIVE STREET, SEE A PERSON	constructional sense are are are an experienced and are a sense are quite		
Seasonal	Variation	Commence of the Commence of th	MACH SEPTEMB	tion agranges authorized discongramment of the transferred	Casels activities transfered interest includes an extraction of the		
WATER SUPPLY	Sour	cce	Av. g.p.d.	Max. g.p.d.	Treatment		
Domestic Sanitary		and	50,000	на 1-та изищени учение по интернетите по интернетит	nil		
Cooling	Wellan	d Canal	2,333,000	come altra agricultura menor aché et percitore divergines presione en el	nil		
Industri	al		encharcoproprieta de la composição de la c		стили этольных спармольной даментом сти		
Total			2,380,000				
RAW MATERIALS	Sand (Si	O <sub>2</sub> ), pyrol	usite (MnO2), c	hromite (Cr <sub>2</sub> O <sub>3</sub> ) co	ke and other		
	ores		# INCHESTRA META-SCHOOL CONTRACTOR COMMUNICATION CONTRACTOR	COVERTING THE CONTRACT OF T	THE STATE OF THE S		
	Walter Sanding Company Company	ayang bir mengana en acomo andra activa	BLUELANDERSCHEICHER HEISTEN, BERECHEICH SÜNS DRICHNICH A	COIL ECONOCIONEZION ECONOCIONEZ PRINCEPARADIÑO PERENE ANNE EMPERANCE, SIEDENARIO INSTITUCIÓN ACTIVA	Brook, Serve (Charles Collections), And Agricult Served, New Agriculty, Servery (Servery Servery Serve		
	STEELER SECURISION OF COLUMN 2015 SECURISION	er armadin en saus de métausabander et James er ei d	er det er det har deller mit in menere dem differende der er har given i viere er det det def dem	den des states framstands ander require degrape estates can apareças edes edes edes edes edes edes edes ed	BINCO-INCO-INCO-INCO-INCO-INCO-INCO-INCO-		
	Cohomic language and despite address to spine	PERSONAL PROPERTY AND PROPERTY	mag Processor to administrate to may be a calculate the agree of the above to come	си снаданскиот ком се не набладают нем поточните сточения	Jacobiochericheacheriche drum (der derechteils zusücher (A. Wisseglieber der A. Wisse		
PRODUCTE; M	, Cr metal:	s and thei	r alloys for to	ol steel production	n industry		
emprophe	den alle est de se consideration de la descripción de la descripción de la descripción de la descripción de la		мибина и конториомисти, убласновнемусь кулитич	относь домефином и веней настиговаться жими опесанова положения	тиковилиский можения в нем филомории от принаментичного метериал		
description.		and constant that of the constant formal property or one decrease, constant to a con-	No. of No. of Confession and Confess	THE RESIDENCE HOW AND ADMITTACH CHARLES HOW HOW WELL HER HER.	CONSCIONAL PROCESSIONAL PROTESTA ESPERA ESTERA A MARIE SERVICO MEDIMENTARIO DE CONSCIONA DE CONS		

	Sanitary	To Crowland	sanitray se	wer to Welland	River
		Quanti	ty	How Estimated	Date Sampled
	Cooling	2,333,0	00	company weirs	June 6th, 1959
	Industrial				
DESCR	IPTION OF SEWERS	Two weired	outlets to	Welland Canal .	one for the south
х.	-	7			ng water from quench
_	furnace and e	lectrode coo	ling - most	of flow however	was overflow water.
-					
-					
-					

REMARKS: The company pumps 170,000,000 gallons/month and 100,000,000 is overflow water. Department of Transport charges them for net use of water according to the weirs.

B.O.D. entering canal is high 34-40 ppm representing 740 lb.

per day. This may indicate the presence of sanitary sewage in the effluent

Survey by; F. J. Dart

Date June 9th, 1959

INDUSTRY _ El M	ch Tools Itd.,		COUNTY WOLL	and the same of th
ADDRESS 569 5	Southworth St.,	WATERSHED Lyon	Crock.	
Crowl	and Twp.		ana, mondere	
PERSONNEL Mr.	. Yaegar - Exec.	Vice-President.	ingles of the Control	
		charles approximation chartes described against the distribution	NO. (OF 10 PROTEIN	
			рисоновисоно	
nerollin (en operatuale)		ACCHECONOMIC DE COMO DISCONOMICO MONTO DE COMO	-	
PLANT OPERATION	Hrs. pe	er day	Days per week	Plant Employees
Aver.	8	causin Graphicino	Management and Communities at Street Company and Community	
Max.	Mark State Control of the Advance of		email: w/O. 4/2 v/Card Backins/Shilling (FRIAD 40) V/DHIN	60
Seasonal Va	ariation	sometrasjon storestimes	Assembled and the required special processing and solid states and	Country's actional laws of the Country and Australian Country
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic ar Sanitary	nd/or Welland.			Mil.
Cooling	Welland.	MATERIAL COMMUNICATION AND CONTRACT ON	CHARLES AND	111
Industrial	Welland,	STANDARD SECTION OF SCHOOL OF SECTION STAND	new Casary Shipton regime Collection Collection Collection (Collection Collection)	111.
Total		900	1,100	Nil.
RAW MATERIALS	Sheet steel - s	ome galvanized.		
			and had a supplementary and a supplement had been a finished a finished and supplementary and the supplementar	CONTRACTOR CONTRACTOR CONTRACTOR AND CONTRACTOR CONTRAC
-				epischicasologii dasi successionadi monte concentrativa (mo
				Consider Consideração Filoso Sendimo Consideração de Productivo Consideração do Consideração do Consideração d
PRANIICE:	Stampings, tool	s. and domestic	furnaces.	
I III		9 1000000000000000000000000000000000000	<ol> <li>The state of the s</li></ol>	COMMITTED THE STATE OF THE STAT
		AND		echnoligian Connecessabili Aluna di met menganachan genera yand provinsenza yand <sup>yan</sup> di me
-		ent a section of the glavest the reduced last the street insection (the section 2), and the section (the		

	Sanitary To cont	tary sewer of Crowlend	Two. to Lyons Cfe	ek
		Quantity	How Estimated	Date Sampled
	Cooling	800	Water bills.	
	Industrial	small		
DESCR	IPTION OF SEWERS	All wastes to mnitary	sewer.	
_				
-				
-				
-				

REMARKS: An alkaline grease remover dumped every 2-3 months - less than 600 gal.

Survey by; F. J. Dart.

Date June 9, 1959.

INDUSTRY _	General Die	e & Machine	Co., Ltd.,	COUNTY W	elland
ADDRESS	Major Stre	et,		WATERSHED W	elland H.
	Crowland To	Wp.		·	
PERSONNEL	Mr. C. L.	Painter, Mar	nager & Owner		
				Single-Si	
	)			one beautiful to the second	
				purituajantima	
PLANT OPER	ATION	Hrs. per	r day	Days per week	Plant; Employees
Aver.		8		5	40 ± 5
Max.			opennistration		
Seaso	nal Variatio	on	DESCRIPTION OF STREET	And an all the second and the second	
	LY So		Av. g.p.d.	Max. g.p.d.	Treatment
Domes Sanit	tic and/or	elland	No meter		
Cooli	ng		B-0-000-0-000-00-00-00-00-00-00-00-00-00		
Indus	trial				
RAW MATERI	ALS Allo	y and carbon	n steels.		
	Constitution of the Consti				
PRODUCTS	Drop fo	orgings for	railways, minin	g,automotive, agri	cultural, hardware.
	and the state of the second second second second				specific de alter (Microsophi Conf. Microsophi Conf. Microsophi Conf. Co
		-			Conditional Conditions and Condition
			CHARLES AND A COMMENT OF THE PROPERTY OF THE P		

	Sanitary	To townsh	ip sewers.			
		Q	uantity	How I	Estimated	Date Sampled
	Cooling					
	Industrial	-				
DESCR	IPTION OF SEWER	RS				

REMARKS:

Dry industry. No industrial liquid wastes. Cooling water only.

Survey by; E. T. Ciebien.

Date August 10, 1959.

INDUSTRY Herr	n Drop Forge C	COUNTY Well	and	
ADDRESS	ADDRESS Major at Schofield			elland R.
Annual Consequence Annual Consequence	Crowland	TVp	MINISTER CONTRACTOR OF THE PERSON OF THE PER	
PERSONNEL	r. J. C. Haun,	General Manager	auto-co-conclosed	
	r. L. Michener,	Foremen	nugla ajan dinutime	
Anniche de Servicio de Carlos		en desendang finat senghangs ngamagin disagt tinat pagtinatang binah ngih storeo	og tong constraint	
Amdinibushmenad				
PLANT OPERATION	Hrs.	per day	Days per week	
Aver.		9	5	50 🛨 5
Max.				
Seasonal V	ariation	audinosaciniques à CPRIVIII		
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	nd/or city	2,000 tot	tal	nil
Cooling			seen, gloves, of very page and person councer considerate consideration and	
Industrial	)		May DISK STATE ADVISOR ON A STOCK OF THE STATE OF	
	469,410	gallons 1958 water	bill	
RAW MATERIALS	steel	nagyar e lang Sayata setang kiri sanakanakanakanakanakan Kanadami (1944-1944)	each Admic Sweet House Constitution (See Child For Technology Constitution (American Sweet House Child	
,				Company of the Compan
·				
PRODUCTE)	Drop hamm	er forgings (car	parts)	
			the control of the Chart	
the second second				Constant of Proceedings of the given confined to the Constant of the Constant
		onne annua anni Chrisgilinia (Chrisgilinia Chrisgilinia (Chrisgilinia Chrisgilinia (Chrisgilinia Chrisgilinia	and the second s	And the second second December 2 Ton 2 miles of and analysis and

	Sanitary	to sanitary sever		
		Quantity	How Estimated	Date Sampled
	Cooling			
	Industrial			
DESCR	IPTION OF SEWERS			
-				
-				
-				
-				
-				
-				

REMARKS:

some water used to cool air compressor

dry industry

Survey by; E. T. Ciebien

Date July 8th, 1959

INDUSTRY Linde	Air Ltd.			a Ameliana	COUNTY Well	end.
ADDRESSDein	Ave. and I	ownline Ed		marine (N. Hiller)	WATERSHED	ons Creek.
PERSONNEL Mr.	H. S. Clar	kson - Man				
				Section Common		
PLANT OPERATION		Hrs. per d	ay	Days	per week	Plant Employees
Aver. Max.		24	min(min)	Completed Street Miles	an emica (	
Seasonal V	ariation			BE ALLECTED AT AN		
WATER SUPPLY	Sour	се	Av. g.p.d.		Max. g.p.d.	Treatment
Domestic a	nd/or Welland		denical adjustable A additional Constitution Constitution	9	gar kisan palautukan paramatan dan paramatan gibu, etama tama	management and residence of the state of the
Cooling	Welland		33,000		писти управном прежиналнителнителни на	investment to and a fill provide provide on the opposition of the consequence of
Industrial					THE CASE OF THE PARTY AND PARTY AND PARTY.	
Total			33,000			nil.
RAW MATERIALS .	Air.	weed for the program of the strange		NA ANGERINA DE METANICO ESTA CARO	Charles and 37 and in a Committee Charles Annual	
				ecia ecianopropio vennicas		
PRODUCTICS	Liquid a	nd bottled	oxygen, some	nitrog	en.	on Constitut Standard Con Const Supplementary provide and the Standard Constitution Constitution of the Standard Constitution of the
			has an company has been considered to the Constitution of the Cons			
					NEW HOSPING STREET, ST	

Sanitary To	ownship sanitary sew	er to Welland River.	
	Quantity	How Estimated	Date Sampled
Cooling	33,000	Water bill	
Industrial			
CRIPTION OF SEWERS	Crowland storm sew	er to Lyons Creek.	

REMARKS: Water is largely recirculated but resaind virtually uncontaminated.

Survey by; F. J. Dart.

Date June 9, 1959.

INDUSTRY Niag	ara Sausa	ge and Mea	t Prod. Ltd.	COUNTY Wells	and
ADDRESS Ontar	io Rd. at	Lyons Cre	ek	WATERSHED Lyc	ons Creek
PERSONNEL Mr.	Chojenish	ci, Owner	and Manager		
PLANT OPERATION Aver.		Hrs. per	day	Days per week	Plant Employees
Max.		9		6	4
Seasonal V	ariation		Constructions		
WATER SUPPLY	Sour		Av. g.p.d.	Max. g.p.d.	Treatment
Domestic a Sanitary	nd/or Welland			NA AND AND AND AND AND AND AND AND AND A	
Cooling					
Industrial	Welland		Constitution of the Consti		
TOTAL			5,000		nil
RAW MATERIALS	30 pigs,	1 cows	2-3 calves per	week	
PRODUCTS	Fresh mea	its, cuts	and sausages		
					parameter (Despinaçõe) direct programmes, gramas que sobre account
F	,				

Sanitary	To septic tank	and field ti	ile	
	Quantity	Но	ow Estimated	Date Sampled
Cooling				
Industrial	5,000		estimate	-
DESCRIPTION OF S	EWERS All wastes	s to triple	chambered septic	tank and then
to fiel	d tile			
-				

REMARKS: Disposal system is working satisfactorily

Survey by; F. J. Dart

Date June 15th, 1959

INDUSTRY _	Page I	lersey Tu	bes Ltd.,		co.	un <b>iy</b> _	Wellan	d.	
ADDRESS	Ontar	lo Rd. an	d Dain Av	e.,	WAT	ERSHED	Lyons	Creak	
	Wella	nd.							
PERSONNEL	Mr. B	exter Dic	k - Plant	Engineer.*					
	Mr. C.	W. More	head - Vi	ce-President in	n charge	of oper	ations	•	
	Mr. F.	W. Farq	uhar - As	st. Works Mana	ger.				
	-				× ×				
PLANT OPER	RATION		Hrs. per	day	Days pe	r week		Plant Emp	loyees
Aver.			. 24			7	_	1,500	)
Max.					Construction of contract or contract	anning all and the state of	_		
Seaso	onal Va	riation	Lowered	production on	week-ends.		-	naje graplinal svoje obritiskom com	
WATER SUPI	PLY	Sour	ce	Av. g.p.d.	Ma	x.g.p	.d.	Treat	ment
Domes Sanit	stic an tary	d/or Wellan	d.	175,000	* NAME OF THE PARTY OF THE PART	200.00	0	Nil	
Cooli	_				****				
and Indus		Wellan	d Canal.	2,100,000	_2,	500.00	0		
RAW MATER	IALS _	Semi fin	ished ste	el, iron skelp	, zinc, Ca	2C <sub>2</sub> , H <sub>2</sub>	SO4 N	aOH, Bonde	rite.
				lubricating, c					
	_								
	_								
PRODUCTS		600 tons	of nine/	year. 1" to 1	6".				
		000 0011				annipersor edinament bad	And Charles on America Charles (Charles Charles)		
		r f			THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			Millerskoodin kinn Killineedos (kinjin	
		A:				option and the sales of the delivery of the sales of the		mad Pilithough Story Mildraudic Advision	

Sanit	ary To Crow	land Township sev	/ex/6+	
		Quantity	How Estimated	Date Sampled
Cooli	ing			and the state of t
Indus	strial	2100,000	-Company meters	<del>June 6 &amp; 10,</del> /59.
DESCRIPTION	OF SEWERS	Sower with in	dustrial wastes- open d	lwein
		-		
	-	198	culverted) 36" comozer	
North	drain to west	to Bowt, sewe	along Canal	
a mumb	per of 8 V.P.	s for mainly sur	face drainage.	
-		•		
***************************************				
			,	
REMARKS:	North drain to	Govt. sewer - v	ery slow flow and showe	ed high BOD indicative
of sax	itory wastes.	(BOD 89)		
Main s	sewer to townsl	nip <b>drai</b> n <b>t</b> o Lyon	s Creek was estimated t	o carry daily:
BOD	1440/			
Susp.	Solids 2960#			
011	4000//	ec v		
Tracos	KADIL	×		

Survey by; F.J. Dart.

Date June 10, 1959.

INDUSTRY	Peninsula Die	and Tool Ltd	*4		COUNTY _	Wellar	d.	шенцин
ADDRESS	59 Southworth	St.,		W	ATERSHED	Lyons	Creek	•
************	Crowland Twp.		to a particular southern and the second state of the second particular southern and th	Magnetine .				
PERSONNEL _	Mr. C. White.	- Manager.		OF STREET, STR				
-	1	many administration on a part of the street						
-								
PLANT OPER	ATION	Hrs. per da	у	Days			Plant	Employees
Aver.		8	-		5	-	-	
Max.			-			-	material with the same	10
Season	nal Variation		-			-	nis sindres nos com	
WATER SUPPI	LY Sour	ce .	Av. g.p.d.		Max.g.p	.d.	Tr	eatment
Domest Sanita	tic and/or ary Wellan	d .	No meters					Nil
Coolir	ng	moderate construction and the second	THE RESIDENCE OF THE PROPERTY OF	_	d ray, has joined in a filter transportation of	and the same of th	mandance repti films	
Indust	trial			-	Our memoranism maneral ancient	-	10000 FO-500	
RAW MATERIA	ALS Machin	e shop - ver	y variable wo	rk.	E COMPANY OF THE PARTY OF THE P		more and the	OR THE LOCAL CHIEF CHIEF CHIEF CHIEF
	Contract the spine Contract Constitution Contract	SEASON SERVICIONISTA SCHINGO, ACM ACCIONATA ACM A COMMI	marchinele econolis acterioreschi compresson resi				waterlanding some wife o	
					A manifestation of grown according to grow or a	***************************************	номощим виноси	
					e Presidente de la Constitución Constitución de	Marchael and Street, St		
PRODUCTE:								
			sergmanus bag kirjar stranovalili kir. Kristovolili					
							manifestation of the control	
	8							

Sanitary To C	rowland township san	itary sewer to Lyons C	reek.
	Quantity	How Estimated	Date Sampled
Cooling			
Industrial		-	
		4	
DESCRIPTION OF SEWERS	Crowland sanitary	sewer.	

REMARKS: Essentially a dry industry. A small amount of oil may meach the sewers.

Survey by; F. J. Dart.

Date June 10, 1959.

industry We	lland Tubes Lt	d.	COUNTY Wells	and
ADDRESS	Ontario Rd. at	Lyons Creek	WATERSHED Lyc	ons Creek
PERSONNEL Mr. B		ant Supt. of Page	- V	
PLANT OPERATION Aver.	Hrs.	per day	Days per week	Plant Employees
Max.	-	langian amenda andre stampt med desir.		
Seasonal Va	riation	higher production	in spring and summer	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic ar Sanitary	welland		· Whiteman control of the control	empage gift (m.Clement) territorial and control in
Cooling	Welland	in the property of the control of th		
	Welland			
TOTAL		200,000	250,000	nil
RAW MATERIALS _	Iron shee	ts		ughughnigan alkendasad adda kirindik kanigan akkada akkada kirindik
-				
-				
PRODUCTS IN	on pipes and	tubes from 20" to	36"	
-				
	IN .		4	

Sanitary _	With	industrial	wastes	to Lyon	s Creek			
0.24	,	Quantity		How E	stimated		Date Sample	
Cooling			-	Wat	er bills			_
Industrial			-					
Total		200,000+		*	*		July 15th	
DESCRIPTION OF SE	WERS	20 <sup>11</sup> GOI	acrete	culvert	to Lyons	Creek	at Ontario	bao
								-

REMARKS:

Plant in operation at time of sample and subsequent visits.

In spite of this effluent proved to have a high B.O.D. and suspended solids

Survey by; F. J. Dart

Date July 15th, 1959

INDUSTRY Welland	Packers Ltd.	COUNTY	elland
ADDRESS 310 River	side (Highway #3A West of	Welland)WATERSHED We	lland E
PERSONNEL Mr. Wal	ter Kaczmarek * ) employ nley Kaczmarek*	yed by their father (ow	ner)
PLANT OPERATION	Hrs. per day	Days per week	Plant Employees
Aver.	88		3
Max. Seasonal Variat	ion	BEAUTINGS AND	
WATER SUPPLY	Source Av. g.p.d	l. Max. g.p.d.	Treatment
Domestic and/or Sanitary We	lland	tion of the Constitution o	nil
Cooling We	olland	Water Low of the School of Age or such construct and const	
Industrial We	4,000	COMPANY AND	nil
RAW MATERIALS30	pigs. 6 cows. 6 calve	s per week average	ganghaganga sebingka pinak taca-adir tanapa-di Al-Badhashtingkah
-	от на при до		
Window Considered America	enthematic same planets activates advertiseation acts activationally activate the same planets and activate the same planets a	n_Characher activation (Charachers) and The Library transport and Electric Annahamation (Charachers) and Anna, Anna A	. Seeklassys Prostaustonigen i Insuf en conseptentiausjerschill diet konstinut zusch zuwe
PRODUCTE; Fre	esh meat		Ом компобит в тогорого (см. с разму размунистех повышений кору и по (см. с размунистех по см. с размунистех по
		ACOL ACOLUMN STORY OF MORE AS A STORY OF THE	THE CONTRACT
Wing Of School (Sept. China) - advances and the spin	entition (beginned mag/or these from Laure, measure, and knowledge of the antique of the laure from the continue for education (CA).		Consultrace constituence of a street produceries accordinate and analysis (constituent analysis) constituent and a street produceries accordinate accordinate and a street produceries accordinate accordinate and a street produceries accordinate acco

	Sanitary	Series	of two sept:	ic tanks to	field t	le		
			Quantity	Но	w Estimat	ed	Date Sample	d
	Cooling					-		
	Industria	al .	4,000	Es	timate	_	June 11th	
							3	
DESCR	IPTION OF	SEWERS	Two septic	tanks in se	ries to r	newly-laid	field	
-	tile	system						
-		-:						
-								
REMARI	S:	The newly-la	id field til	e system is	current	ly working		
s	atisfacto	rily. Gool	ing water for	r refr <b>iger</b> e	ntion has	direct ac	cess to	

Welland River

Survey by; F. J. Dart

Date June 11, 1959

ADDRESS Humberstone Twp. west edge of Port Colbane ATT  PERSONNEL Mr. Alexander, Plant Superintendent *  Mr. D. Mullen, Plant Engineer *		
PLANT OPERATION Hrs. per day Days per Aver. 24 6  Max. Seasonal Variation yes	er week	Plant Employees 90 120
WATER SUPPLY Source Av. g.p.d. Ma  Domestic and/or Sanitary Port Colbourne +  Cooling Port Colbourne +  Industrial Welland Canal fire protection	ax. g.p.d.	Treatment
RAW MATERIALS Limestone from quarries		
PRODUCTS Cement and cement materials		

Sanitary	Port Colbourne	sanitary sewer	
	Quantity	How Estimated	Date Sampled
Cooling	13,000	estimated from meter	
Industrial			
quarry pumpage			June 8th, 1959
			à
-68		the town sanitary sewer con-	
an open ditch flows	south from the	west end of the plant disc	harging both quarry
pumpage and overflow	from the fire	protection tower filled wi	th Welland Canal
water. The ditch d	ischarges to L	ake Erie	
		ab (a ass south) ins toler	- 1 11 -

REMARKS: A sample of the open ditch (a com posite) was taken and the attached analytical results show only high suspended solids.

No flow figures for the lb. per day

Survey by; F. J. Dart

Date June 22nd, 1959

INDUSTRY Canad	a Packers Ltd.,		COUNTY Wella	ти менения поста
ADDRESS West	Canal Bank, Wel	land Jet.,	WATERSHED Wel	land River.
Humbe	rtone Twp.		too Congression Const	
PERSONNEL Mr.	W. Gillespie -	Manager.	a.v.maglandene	
Mr.	J. Farr - Accou	ntant.*	a dornámic me	
			and Comment Company Comment Co	
PLANT OPERATION	Hrs.	per day	Days per week	Plant Employees
Aver.		8	51/2	15
Max.			managements and control control diseases in the participant of the control	named accession other uniquinoted protection conscious designation
Seasonal Va	ariation	ampagamanos soratems	en stantontorrassociamina (parameteristamenteristamente	омих жанабия еми эки Зайская падлядающий падаменто стате
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic as Sanitary		elland) No meter	an joint tyment control or management and services	weight despreciations and the contraction of the co
Cooling		more considerational and constitution with	No. of the Action of the Actio	management production of the control of the second section of the control of the
Industrial	CONTRACTOR OF THE PROPERTY OF		Benedical Assessment Service Area of the Asses Service	овиря Сто выпользование возденую всемотие
RAW MATERIALS	Super and tri	ole phosphates.		METALETINICAMORICA MAN DIMONICAMANI, DIMONICAMORICA MANGRICAMORICA MANGRICA MANGR
	Potassium chlo	oride, sulphate & r	itrate.	
	Ammonia gas a	nd ammonium salts.		national charge-spender stores are a Chestina, government dates recollengues (1990)
				endangeristandende nous de quadrantes superior resultéris de des
PRODUCTE)	Fortilizier.			
				entral de la company de la construenció de la const
Marie Company of the		Construing to reference and the second construing an extension of the construints. Second construints		
the Company of the			A. N. SCHWINGERSEINER (CS. 45 Inches (Gregories No. CHROSERSEIN CO. 45 Edwirdt (A. CHROSERSEI)	nns. Jinis Conscientifonnigi niigoni (Citistipungia, Apiner Jerder et Sandjanet angicenpera

Sanitary Septi	c tank & tile bed.		
	Quantity	How Estimated	Date Sampled
Cooling	Nil		
Industrial	Nil		
RIPTION OF SEWERS			

REMARKS: Dry.

Survey by; F. J. Dart.

Date June 15, 1959.

INDUSTRY _	John D	eere Plo	w Co.,	Ltd.		-	COUNTY _	Wellan	<u>d</u>
ADDRESS	Humbe	rstone T	wp - ea	st bank	of Welland		WATERSHED	Lyons	Creek
Management	Canal	south o	f Wella	nd					
PERSONNEL	Mr.	Limberg	er, Man	ager *					
	Mr.	George	Ott, Ma	intenanc	e Foreman	*			
	\								
						-			
PLANT OPER	ATION		Hrs. pe	er day		Days	per week		Plant Employees
Aver.			8				5	-	350
Max.									
Seaso	nal Va	riation							
WATER SUPP	LY	Sour	ce	Av.	g.p.d.		Max. g.p	.d.	Treatment
	tic and	d/or Wellan	d						
Cooli	ng	Wellan	d	made dated				-	
Indus	trial	Wellan	d	-				handless (market)	
T	otal			35,	500				
RAW MATERI	ALS _	I	ron sto	ck	nes gran de la cultura de cuite d'attractiva de l'acceptant de l'a		On a secondary of the control of the secondary	ON HARMAN AND AND AND AND AND AND AND AND AND A	nog prodet mater kansk kontroller Hooseljen delegten despektivlers
	_								
	_						exceptions reported with a different to the state of		
PRODUCTS		Tractor	movers	and misc	ellaneous	farm	machinery	*	No. of Contraction Contract Vision in the Contract Contra
									performanção dom differente describir de distribução que distribução que de como de co
	1								

# Sanitary Septic tank and field tile system (for all wastes) Quantity How Estimated Date Sampled Cooling Industrial DESCRIPTION OF SEWERS All wastes go to a septic tank and field tile system. This field tile leaks to the surface but does not over-

REMARKS: no sample dry disposal

flow bed

Survey by; F. J. Dart

Date June 15th, 1959

INDUSTRY Robi	in Hood Flour Mills L	td.		COUNTY _	Welland	
ADDRESS Wes	t Welland Canal bank	Humberstone 5	lwp.	WATERSHED	Welland	Canal
	Mr. K. W. Crone, Mana					
PLANT OPERATIO	N Hrs. per d	ay	Day	s per week	P	lant Employees
Aver.	24	spinotests.	-	5	www.co	250
Max.	State Control of the			7	-	
Seasonal	Variation	COLLEGE	WIL STEEL STREET		**************************************	
WATER SUPPLY	Source	Av. g.p.d.		Max. g.p	.d.	Treatment
Domestic Sanitary	and/or Welland Canal Welland Canal			William Communication Communic	-	filter & Cl2
Cooling	and Well Welland Canal				nonces -	filter & Cl2
Industria	l or very occasionall the well	y				Filter & Cl2
Total		63,000		70,000		
RAW MATERIALS	Grain, Nova-de	el etc.			HI (America) anno (A) A (A) Anno (A) A	Magan gang proteins/frithmogrouph of Shishs alleboth of
PRODUCTS	Flour and cake	e mixes				

	Sanita	ry	Sep	tic	tank	and fi	eld ti	le					
	<i>a</i> - 2.44					ntity			Estimat	ed	Date	Sample	∍d
	Coolin		wheat washin	e _	53,0				risual		June	22nd,	195
	Tot	al			63,00	00			apaciti 6 flow	es and			
DESCRI	PTION	OF SE	WERS _	W	heat	washer	s d <b>isc</b>	harge	to sump	(where	sampled	i)	
_	and	from	there	rele	ased	to the	Canal	by ur	iderwate	r 2½" p	ipe		
-													
-										(			
REMARK	<b>S</b> :	High	B.O.D.	and	i susj	pended	solids	on th	ne wheat	washer	s efflue	ent	
	Dai	ly w	astes:										
			B.O. Susy	) m	18	38 lbs.							

Survey by; F. J. Dart

Date July 22nd, 1959

INDUSTRY D'Arcy Cropp Canning Factory  MAILING ADDRESS Box 403, Fonthill					COUNTY Welland			
					WATERSHEI	Effingham stream		
-	(Pel	ham Twp.)						
PERSONNEL	Mr. D							
-	Mr. B	R. Beckett, Plan	nt Manager					
PLANT OPERATION		Average		Maximum	S	seasonal variation		
Hours per d	lay				And the last of the Address of the A			
Days per we	ek							
No. employe	es			<del>Örsen Brossen der son er son</del>				
WATER SUPPLY	5	Source	Av.gpd	L	Max.gpd	Tree		
Domestic an Sanitary	id/or	private well	}			none		
Cooling	_	19	10,000	)		11		
Industrial	-	**	}			Ħ		
RAW MATERIALS		Cherries, peac	ches, pears					
					·····			
	-					enterviewe part to be to be a series of the		
PRODUCTS	Canned	cherries, peac	ches, pears					

SanitarySe	ptic tank and tile	e bed.	
	Quantity	How Estimated	Date Sampled
Industrial - Cooling	10,000 gpd	From pump capacity	
DESCRIPTION OF SEWERS			
	Process wastes co	ollected in a sump 12' x	6' x 4' pumped
to second	catch basin 4' x	4' x 3' - flows to thir	d. catch basin
5' x 5' x	9' flows to fourt	th catch basin 5' x 5' x	9' then discharged
to four s	ettling areas arra	anged in series. The la	st settling area is
equipped	with overflow to B	Effingham stream. Befor	e waste water reache
overflow	it is pumped on ad	ljacent fruit land.	
RELIARKS			

Survey by: A. B. Redekopp

Date:

Aug. 25, 1959

INDUSTRY	Treguno	Bruit Farms		COUNTY_	Welland
MAILING ADDRESS R. R. #2 St. Catharines					EDEffingham stream
ä	(Pelh	am Twp.)			
PERSONNEL	Mr. P	. E. Treguno, Jr	., Owner		
	Mr. T	. Sicard, Plant	Foreman		
PLANT OPERATION		Average	Maximum		Seasonal variation
Hours per	day	10			
Days per w	eek _				
No. employ	ees				
WATER SUPPLY		Source	Av.gpd	Max.gpd	Treatmont
Domestic as Sanitary		Private wells			None
Cooling		18	30,000		
Industrial		90	120,000		II .
RAW MATERIALS					
	Cher	ries, peaches, t	omatoes, pears		
				-	A STATE OF THE STA
PRODUCTS	(canned	cherries, peach	es, tomatoes, pears.		

Sanitary	Septic tank - or	verflow enters first sett	ling pond.
	Quantity	How Estimated	Date Sampled
Industrial - Cooling	30,000	from capacity	
	120,000	of the private wells.	
DESCRIPTION OF SEWERS			
-	Waste flow unscree	ened to first pond 75° x	30' x 8' then to
second pond	100° x 30° x 4°.	From second pond waste i	s pumped to a
dammed valley	located across to	ributary of the Effingham	stream. Cooling
water is disc	charged directly to	the tributary of the cr	eek.
			***************************************
			-
RELENKS			
,			
			*
	7		
NATIONAL AND ADDRESS OF THE PARTY OF THE PAR			

Survey by: A. B. Redekopp

Date: Aug. 31, 1959

INDUSTRY Vineland Canning Co.					COUNTY	Welland		
ADDRESS _	R. R. #5 Fer	wick			WATERSHED		land tributary	
	(	Pelham Twp.)			14,	raet.	erromery	
PERSONNEL	Mr. John Ste	fko, Owner						
,	Mr. John Koz	dos, Plant M	anager					
PLANT OPER	ATION	Hrs. per d	ay	Day	s per week		Plant Emp	loyees
Aver.		10	procedure	-	6			
Max.					7		30	
Seaso	nal Variation	Operate in fruit seas	vegetable & on only	****				
WATER SUPP	LY Sou	ırce	Av. g.p.d.		Max. g.p.	d.	Treat	nent
Domes Sanit	tic and/or Ci	ty of municipal s	upply		No.	winter		
Cooli	ng "		7,500					
Indus	trial		2,500				Santon 2000 international control	
DAU MAMETOT	ALS Peach	es, tomatoes	. neers					
NAW PAIENT	Allo zogoz	tong tomatour	, , ,					
	trade to accord to accord						2001 3 miles (2003 miles (2004)	
PRODUCTS .		anned peache	s, whole tomat	toes,	pears		and the second of the second of the second	-0-0
			NOVAC SERVICES AND DESCRIPTION OF THE SERVICES AND THE SE					
,								

5	Sanitary	Septic	tank and	tile bed			
(	Cooling	_	Quantity		How Estimated visual	Dat	e Sampled
	Industrial	_	2,500 "	-	assessment		
DESCRI	PTION OF SEWER	S	Cooling w	ater - ti	Le to creek bed		
		Wash-up	water -	house sew	er - to ditch to	lagoon	
_							
_							
_							
_							

REMARKS:

See report dated August 25, 1959.

Survey by; A. B. Redekopp

Date Aug. 25, 1959

INDUSTRY Bissell Carpet Sweeper Co.,	COUNTY Welland.
ADDRESS 2365 Dummond Rd.,	WATERSHED Niagara River
Stamford Twp.	
PERSONNEL Mr. O.E. Lobers - Vice Pres. & G	en. Mgr.
	reasonate representation of the Committee Comm
PLANT OPERATION Hrs. per day	Days per week Plant; Employees
Aver.	
Max.	
Seasonal Variation	
WATER SUPPLY Source Av. g.p	.d. Max. g.p.d. Treatment
Domestic and/or Sanitary Stamford Twp. No Me	ter. Nil
Cooling	
Industrial	
RAW MATERIALS (1) Steel, castings, brist	es, plastics, cloth,
#.	
PROPERTY. (1) A	
(2) Liquid detergents. (r	ng cleaners)

Sanitary To sa	mitary severs.		
*	Quantity	How Estimated	
Cooling			
Industrial			
		,	* * *
RIPTION OF SEWERS _			

REMARKS: 1. Some plating is done on small parts of carpet sweepers.

Tanks include: 50 gallons chrome plate.

160 gallons nickel plate.

2 x100 gallons running rinses.

 Small amounts of wash water are used to clean canning equipment and blanding tanks of liquid detergents. These wastes presently flow untreated to twp. sewers.

N.B. This plant is to be moved to a new location within one year and mention was made during the present visit to include waste treatment when installing the new plant facilities.

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY _	T. C. Bright	and Co. Ltd.,	COUNTY Welland.			
ADDRESS _	Thorold Ston	e Road,		WATERSHED N	acera River.	
_	Stanford Typ	4				
PERSONNEL	*Mr. M.F. Jo	nes - Presiden	t	and the state of t		
	"Mr. V. Moll	ison - Vice -	Président.	and the same of th		
	1			minimum.		
PLANT OPE	RATION	Hrs. per da	ay	Days per week	Plant Employees	
Aver		8		5	125	
Max.			16			
Seaso	onal Variatio	n <u>24</u>	Sept. 15 to Oct. 30.	6-7	300	
WATER SUP	PLY So	ource	Av. g.p.d.	Max. g.p.d.	Treatment	
Dome: Sani	stic and/or tary _Star	ford	4,000	9,000	Nil	
Cool	ing <u>Well</u>	Annual Control of the	150,000	March 2 and processing a regime including non-street date of british	Nil	
Indu	strial Ster	iford	40,000	90,000	1111	
RAW MATER	IALS _ Grape	16.				
	***					
	Were recovered and invited					
	-					
PRODUCTIS	Wines.					
THODOOTS	WALIGOS			agen van den van de van de verste	destauride alexandes des à l'approviennes direttes predimignes alexandes	
					agina and an annual secundar and an annual an annual and an annual	
	fored timps well-authorities through not authorities to	Management of the complement of the supplement of the second of the seco	akustan naken yatu saken matu pilan den naken mpi naken naken yaken ha			

Sar	nitary 4,000	to 9,000 gallons/day	to sanitary sewers.	
	based on	30 Cal/day/person. Quantity	How Estimated	Date Sampled
Coc	oling	150,000 g/day	Pump Capacity.	
Ind	lustrial	40,000-90,000	Water Bills.	*****
DESCRIPTI	ON OF SEWERS	All wastes flow to	township sanitary se	wers.
-				
-				
		1		
REMARKS:	Punice (squee	med out grapes) is 1	and dumped on farms.	
	Lees (solids a	settled from ferment	ed grape juice) are	filtered from wine
	and trucked to	Toronto for alcohol	recovery.	
	Wastes constit	tate washup of filte	r presses, grape pre	sses and floors.

No bottles are washed only new bottles used.

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY _	Cya	namid of	Canada Li	mited	(Welland	Work	s) COUNTY _	We	lland	1	
ADDRESS	Chi	ppawa Roa	d				WATERSHED	Wel	land	River	
_	Sta	mford Tow	nship			_					
PERSONNEL	Mr.	J. Schmi	dlein, Pl	ant Ma	nager						
9	Mr.	J. Kelle	r, Plant	Engine	er						
i											
PLANT OPER	ATION	,	Hrs. per	day		Daj	ys per week		Plan	t Emplo	oyees
Aver.			24				7	C.	100	ffice	
Max.						Ap	proximate	₹.	500	3 shift	s
Seaso	nal Va	riation		Q1 1079C0110		Di	stribution	).		mainten shift r	
WATER SUPP	LY	Source	Actual 83		g.p.d.	•	Max. g.p.	.d.	800	Treatm	ent
Domes Sanit	tic an	d/or Stami	ord )	230	0,000		310,000			Nil	
Cooli	ng	Wells	nd R.	20-	-25 MG/D					Nil	
Indus	trial				a to						
			for proc			ter t	reated with	lime	and	rerrous	Į.
RAW MATERI	ALS _	Sulphur		100 T	Day.		macyanic make is such to sufficient which that the lateral transfer is such				
	_	Calcium	Cyanamid	350 T	/Day (So	on hi	gher 500)				
	_	Coke		200 T	/Day	-			EUCENCHION (THE		Anaple Science, State
	_										
PRODUCTS:		Ammonium	nitrate	350	ľ/day ) s	oon	allumine y distributions dell'entre section and through the section and through the section and the section and through the section and the section an		NICENSONALON NAME	(months)	
		Di Cyano	liamide	100	r/day h	igher			ристипной пос	desire the control of	
		Sulphur	ic Acid	300	T/day						
		Other pr	roducts		ite, Xant		3		WALKEROWN BOW		
					ns Sulpha						
			Meas	ured	in pounds	/year	r				

WASTE	DISPOSAL							
	Sanitary	Office	to septic tank	to Welland	River.	Plani	to indu	
			Quantity	How Esti	How Estimated		Date Sar	mpled
	Cooling	_	20 to 25 MG/day	Pumps			July 6	1959
	Industrial	(_						
							:*:	
DESCR	IPTION OF SEWERS	8 8	sewers.					
		4	to Millar's Cre	ek to Wella	nd River			
		4	to Welland Rive	r.				
			See report.					

REMARKS:

See report.

Survey by; R. H. Millest E. T. Ciebien J. Dart Date June 23, 1959 July 6, 1959

INDUSTRY	B. F. Goodr	ich, Chemic	al, Canada,		COUNTY _	Wellar	Welland		
ADDRESS	Chippawa Cr	eek Rd.,			WATERSHED	Wellar	nd R.		
No.	Stamford Tw	p. Box 548	Welland						
PERSONNEL	Mr. H. R. P.	r. H. R. Pletch, Manager,							
	Mr. D. A. B	rooks, Plan	nt Engineer,						
emplanted.	Mr. G. H. T	homson, Ma	intenance For	reman,					
-	Mr. G. Scha	af, Senior	Technician						
PLANT OPERATI	ON	Hrs. per d	ay .	Days	per week		Plant Employees		
Aver.		24			7		58		
Max.				Management and the		_			
Seasonal	Variation		-	-		_			
WATER SUPPLY	Sourc	е	Av. g.p.d.		Max. g.p	d.	Treatment		
Domestic Sanitary	and/orStamf	ord Twp.	1,800				Nil Floculation		
Cooling	Cyani	mid Co.	330,000				chlorination		
Industri	al Stamf	ord	20,000		24,000		Ion exchange for small percentage		
Twp. Wa	ter Bills		Oct., Nov., Jan., Feb.,				of flow.		
RAW MATERIALS	Vinyl c	hloride, m	onomer.				Evolutions and security and for the formation of the form		
	Organic	peroxide,	catalyst.						
							Constitution in a sufficient suppression and s		
PRODUCTS	Five (5	) general	types of po	ly viny	l chloride	. The	se are sold in		
	powdered	form. Pr	oduction ave	rages 8	00,000 pou	ınds pe	r month.		

San	itary Septi		elland River.	via ditch to					
		Quantity	How Estimated	Date Sampled					
Coo	ling	330,000	Pumping	June 9, 1959					
Indi	ustrial	20 to 24	Water bills	19 19					
		Thousand gallons	per day.						
				H &					
DESCRIPTIO	ON OF SEWERS 1.	Cooling waters di	scharge directly to d	itch then to					
Welland R.									
	2. Process water and wash water flow to settling lagoon (approx. 1,000,000								
	U.S. gallons capacity) then to second ditch and to Welland R.								
	Both ditches combine at the property fence before flowing under Chippawa								
	Creek Rd. to W	elland R.							
REMARKS:			as purchased by the n during shipment. B						

phenol is reacted with caustic soda. The resulting sodium phenolate is piped to a dyked pit, where it soaks into the ground.

Samples of the lagoon effluent show a rather high BOD (80). However, the sample of the total effluent is quite low in BOD (2).

The dilution afforded by the cooling water seems to be sufficient to lower the concentrations of contaminants in this waste to reasonably low levels.

Survey by; E. T. Ciebien.

INDUSTRY _	Joseph's Alum	inum,		COUNTY	Welland.	
ADDRESS	N. C. Joseph Gueen Elizabe			WATERSHED	Niagara River.	
	*Mr. R.K. Ham	ilton, Pla		incompleted		
PLANT OPER	ATION	Hrs. per	day	Days per week	Plant Employe	es
Aver.	-	8		5	41 + 4 P &	0.
Max.			Audinadrow		compression to the experiment of the contract	-
Seaso	onal Variation	And the second second second second	and the same of th		enugls. sporulphes hugs activism environment announce of hugs require	
WATER SUPP	PLY Sour	ce	Av. g.p.d.	Max. g.p	.d. Treatment	
Domes Sanit	stic and/or cary Stamf	ord.	1,200		Nil	
Cooli	ing 7		13-16,000	MANAGEMENT AND	II.	
Indus	strial					_
		,				
RAW MATER	IALS <u>fluminu</u>	m, steel, o	copper, plastic	es, etc.		pens
						_
					an appropriate production and the state of t	_
			province in the control of the contr		en generalen gehalten er en	_
PRODUCTS	Cookwar	e. Giftwar	es, (aluminum)	Bar B.Q. Grills	(steel).	
					ter (illentifier des glandster (illentifier del Marie Britanises glandster des illentifier des	
						-

	Sanitary	To	sanita	ry sewe	r (1	, 200	gal/da	y)				_	
		bas	ed on	30 gal/ Quanti		on/da	-	Esti	mated		Date Sa	mple	d
*	Cooling	},		13,00 t	00		Wat	er b	ills				
	Industrial	i {	16,000		for 6 months				*				
		/											
DESCR	IPTION OF	SEWERS	Plati	ing roo	m ri	nses	flow a	long	several	open	sewers	in t	he
	plating	room to	a juno	ction b	ox,	then	out to	the	township	sew(	ers.		
							17						
	2												
-						-		-					-

REMARKS: Approximately 35 tanks, ranging in size from 45 gallons to 750 gallons, are used to plate articles with chromium and nickel.

All tank transfers are carried out by hand operation. Hence, dragout will vary slightly, depending on the time available for the operations. These wastes flow untreated to the township sewers.

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY _	Plant 2,	Provincial E	ngineering Ltd	• COUNTY _	Welland	
ADDRESS		Stanley Road	,	WATERSHED	Welland R.	
		Stamford Tow	nship.	(miles)		
PERSONNEL _	Mr. A. J	. Tarney, Vic	e-President,	and solve		
_	* Mr. Rons	ald Deeks, Chi	ef Engineer,	Ondersome		
_	* Mr. Henr	y Mead, Produ	ction Superint	endent.		
-						
PLANT OPERA	ATION	Hrs. per d	ay	Days per week	Plant Empl	Loyees
Aver.		8		5	130	
Maxicx	Min.	8	i i	5	50 a	t date
Seasor	nal Variatio	n Depe	ndent on contr	acts for work.	communication and action recommendation	visit.
			÷			
WATER SUPPI	LY So	ource	Av. g.p.d.	Max. g.p	.d. Treati	nent
Domest Sanita	tic and/or ary	Stamford )	23,000		Ni1	
Coolir	ng 0	arborundum)	15,000	50,000		
Indust	trial	* }		STREET,		
			was about 10%	of dapacity.		
RAW MATERIA		teel:		Name Completes on Court State State State State Court State Court State		NC DESIGNATION OF THE
	De	eams, angle ir	on, etc.			accessored to the same of the
						BECOMO NECESSARIO
					and an arrange of the property	MCCHACONC AND THE
PRODUCTES	_	Steel structu	res, e.g., hyd	ro towers		
_	-	Custom galvan	izing.			

Sanitary ) To township sewers

		3							
		{	Quantity	How Estimated	Date Sampled				
	Cooling	{	23,000 gpd	Water bill					
	Industri	ial	15,000 to	Pump rating	-				
		)	50,000 gpd						
DESCRI	PTION OF	SEWERS	Plant sewers all d	lischarge to 48" town	ship main sewer				
discharging to									
****	REMARKS	The larges	t use of water is	in the galvanizing r	oom. There are 7				
_	tanks us	sed to galvar	ize the component	parts of various ste	el structures.				
-	Tank 1.	2 and 3 all	contain 10% H2 SO4.	They are used for	pickling. Occasional	1у			
	one tank is used to strip a reject of zinc.								
_	Tank 4	is a cold wat	er running rinse t	ank.					
REMARK	Tank 5 contains Zinc Ammonium Chloride concentration 18° to 20° Be at 150° F.  This solution serves as a flux for galvanizing. All the above tanks are 34' x 3' x 3.5'.								
	THE RESERVE OF THE PERSON NAMED IN		140	tons of Zinc in the	inner shell and heat exchange medium.				

Tank 7 is a quench tank.

There are two vertical legs at the bottom of the tank.

The tank itself is 34' x 3' x 3.5'. Each vertical leg is approximately 20' deep with a diameter of 4'.

This arrangement permits vertical and horizontal quenching of long beams.

Samples were not taken during the June 7 visit, since only 10% of capacity of the plant was being utilized.

Survey by; E. T. Ciebien.

Date June 7, 1959.

INDUSTRY Canadia	an Carborundum Co	COUNTY Wells	COUNTY Welland			
ADDRESS Stanley	y St.		WATERSHED We	lland R.		
Stamfo	rd Twp.		<del></del>			
PERSONNEL Mr. A.	McDonald, Genera	1 Manager.	in the second se			
Mr. Jac	ck Gregory, Plant	Manager,	genderstree			
Mr. Jol	hn Golding, Plant	Engineer.				
-						
PLANT OPERATION	Hrs. per	· day	Days per week	Plant Employees		
Aver.	24		7	400 - 20		
Max.	24		7	600		
Seasonal Var	riation Nil	er manger and displacements				
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment		
Domestic and Sanitary	l/or Stanford Twp.	71,000	85,000			
Cooling	Welland River	3,600,000	5,400,000	Nil		
Industrial						
RAW MATERIALS	Boaxite, coke, s	teel turnings.		tin gingsvalenssa somi kitina (PP kanglandi APA dasaftad PP d		
-						
_						
PRODUCTS 1.	Crude abrasives	(sent to U.S.A.	for finishing).			
2.	Moulded abrasive	es, e.g., wheels	, rods, etc.	naturali (E pustionali) Stara di Historia pustionali di Stationali (E St		
			4-4-9			

Sanitary	To township	sewer 71 to 85,000 gal/	r 71 to 85,000 gal/day.				
	Quantity	How Estimated	Date Sampled				
Cooling	3,600,000 to	Pump capacity					
Industrial	5,400,000 gallons/day						
			2.				
DESCRIPTION OF SEWERS	Open sewers, covered	with steel gratings,	carry the cooling				
waters from	the plant to an outd	oor lagoon. Here the	solids settle out				
and are dred	ged out for reuse in	the plant. The water	discharges to the				
township tru	nk sewer in Stanley	St.					

REMARKS: The Provincial Engineering Co., Plant 2, purchase from 15,000 to 50,000 gallons per day from this company.

Almost all the water used at this plant is for cooling the electrodes and outer shells of the reaction furnaces.

After the solids settle in the lagoon, the effluent from this plant looked quite clear.

Survey by; E. T. Ciebien.

Date June 18, 1959.

INDUSTRY _	Barratt Spun Concrete Poles		COUNTY	Welland,
ADDRESS	Montrose & Industrial,		WATERSHED	Nisgara Siver
Annualization	Stamford Twp.			
PERSONNEL _	Mr. A.C. Barratt.			
-				
_			_	
_			-	
PLANT OPERA	TION Hrs. per day	Da	ays per week	Plant Employees
Aver.	16	_	5	10
Max.				congressings of lots agreement inter-deviation of solutions from
Season	nal Variation		ACRES COM RESCRICTION OF STREET	enum cognophies must administrative della displacativa displacativa della displacativa della displacativa dis
WATER SUPPI	LY Source Av	r. g.p.d.	Max. g.p.	1. Treatment
	cic and/or ary Stamford N	o Meter	which description are the same content and	Nil
Coolir	ag			Managlance and College Control of College Control of College Control of College Control of College Col
Indust	trial			
RAW MATERIA	ALS Cement, Sand, Stone,	Reinforcing st	eel.	
PRODUCTS	Concrete poles.		manangkan kin nim ni pi siki no benda e 18 materil 19. Sik 190	
:-		naganag kepagang di kacampang kalaban sabanah kepika atau sabanah		
	rethribuser salvadi ede salve en alle desaktives salve en alle desaktivida alle en alle desaktivida ett delete			

Sanitary 10 septio	tank.		
	Quantity	How Estimated	Date Sampled
Cooling			
Industrial			
DESCRIPTION OF SEWERS Flo	or washings present	ly flow agross open fi	eld to a small
		catch basin is to be	installed to
catch solids before	discharging water t	o the open ditch.	

REMARKS: Total quantity of wash water is quite small and when the catch basin is installed, the flow should not cause harm to the receiving water courses.

Survey by; E. T. Ciebien.

Date June 1959.

INDUSTRY Canad	INDUSTRY Canadian Liquid Air Products.					COUNTY Welland.			
ADDRESS 2555	Montrose Rd.,				WATERSHED	Niaga	ra River.		
Stamf	ord Twp.								
PERSONNEL Mr.	R. Flemens -	Manager							
No. and Contract Cont				-					
	) (4)								
medicipaliticipal									
PLANT OPERATION	Hrs	. per d	lay	Days	per week		Plant Employees		
Aver.		8	annomi	-	5		5		
Max.	Wellen								
Seasonal V	ariation		REALITY OF THE PROPERTY OF THE			٠.			
WATER SUPPLY	Source		Av. g.p.d.		Max. g.p	.d.	Treatment		
Domestic a Sanitary	nd/or Stamford		No Meter.		3	ncastation.	Nil		
Cooling		paignes				-			
Industrial									
RAW MATERIALS	Distributors	only.				was managing the land of the land			
					***				
		dimpuonepu uhm hasidh		-	sorphis del control				
DDODITORS	Tddd ada	d							
PRODUCTS	Liquid Sir	III CYII	nders.				Michigania Gir Barri Provincial Santa (Santa Santa		
-		AND DESCRIPTION OF THE PARTY OF					parkeramaki masi Kalimanya dimbanda (Penterban projemb		
Mind miles copie i agracia							and represent the law and the state of the s		

Sanitary To s	sptic tank.		
***	Quantity	How Estimated	Date Sampled
Cooling	-0-		
Industrial	-0-		
		*	
ESCRIPTION OF SEWERS	·,		

REMARKS: Dry industry; No industrial liquid waste.

Survey by; E. T. Ciebien.

Date June 1959.

INDUSTRY	Canadian Ohio Bras	3S Co.,	COUNTY Wellan	nd
ADDRESS	1881 Thorold Stone	e Rd.,	WATERSHED Nia	gara River
	Stamford Twp.			
PERSONNEL	Mr. K. V. Farmer,	Vice-President	ar to victorial branch	
	Mr. E. R. Davey,	Plant Manager	aprincial medical and a second	
*	Mr. R. Flagg, Plan	nt Engineer	greing Orinization	
directions in contrast				
PLANT OPERATIO		per day	Days per week	Plant Employees
Aver.		2	5	
Max.	Will concess of the Contest of the C			& 30 office
Seasonal	Variation	notonautronahusti hir sittingi	STATE OF STA	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic Sanitary		4,300		
Cooling	11	5,000		
Industri	al "			
		,000 3M. April, Ma ,000 3M. Jan., Fel		
RAW MATERIALS				Chadrader-District and Residential agency of prompting
	Feldspar, flin	t, clay.		
	Sand.			
PRODUCTS	Porcelain insul	ators.		
111000015				egundet. De siglas (plan) egge salvantening a germana you d'Aribbert en abrei
Amount about				
				Chapter and Principles of each consumer action development and entire en

LIA COMTO	DICTOCAT	
WADTE	DISPOSAT	2

	Sanitary	To sanitary se	wers (4,300	gal/day)			
		based on 30 g		on. Estimated	Da	ate Sampled	
	Cooling	5,000	W	ater bill			-
	Industrial			F	_		_
DESCRI	PTION OF SEWERS	The industrial	sewers in t	he plant di	scharge	to a 13' x 8'	x 8
_	baffled catch	basin, where sol	ids settle	out and the	effluen	t flows over	the
_	baffle to town	ship sewer.					_
_							_
_							_
-							-
_							

REMARKS: Water is used for cooling, preparing plaster moulds and for mixing the porcelain. The amount of water used for mixing plaster is very small.

The water used in mixing the feltspar, clay and flint is reused. Make-up water is added daily. Losses include, evaporation and the water remaining in the clay mixture to maintain the consistency for moulding operations.

This water is later baked out in kilns.

Survey by; E. T. Ciebien.

Date June 10, 18, 1959.

INDUSTRY	Crawford Fitting	Co.,		COUNTY _	Welland	©
ADDRESS	1238 St. Paul Ave	• 9		WATERSHED	Niagara	River.
	Stamford "wp.					
PERSONNEL	Mr. L. H. Keith,	Manager.				
State Control State Space			-			
errorad material to						
PLANT OPERATION	Hrs. per d	ay	Day	rs per week	P:	lant Employees
Aver.	8	-		5		4
Max.		on and a second	Semperature.		-	
Seasonal Va	ariation	-	-		************	
WATER SUPPLY	Source	Av. g.p.d.		Max. g.p	.d.	Treatment
Domestic ar Sanitary	nd/or Stamford.	No meter				Nil
Cooling		***				
Industrial						
RAW MATERIALS	Stainless steel	. aluminum. br	ass.	plastics.		
100111111111111111111111111111111111111		Angustinistic (sugares in thirties are a service interest				
-		D. C.				
PRODUCTS	Precision tube fitt	ings.				
measurement of the second or second						
Annal Englanderschilder						terde titus littlisesin sõnstratinatinatinatinatinatina

Sanitary	To septic tank.		
	Quantity	How Estimated	Date Sampled
Cooling	-	,	
Industrial			
DESCRIPTION OF SEWE	ers		

#### REMARKS:

This plant will soon be moving to the township industrial area.

There are no liquid industrial wastes discharging from this plant.

Survey by; E. T. Ciebien.

Date June 23, 1959.

INDUSTRY Domi	nion Brake S	hoe Co. L	td.	COUNTY	Welland.	manus propi magnesidoresistrito
ADDRESS 256	Portage Rd.	South.		WATERSHED	Niagara	River.
Stam	ford Twp.			projections		
PERSONNEL Mr.	J. McVicker	- Vice Pro	95.	Continue		
Mr.	J. Crowther	- Supt.		gordonna.		
* Mr.	S. Perkins	- Gen. For	reman.	games Super-transa		
New House, Street, Str				iprogradina)		
PLANT OPERATION	H H	rs. per da	У	Days per week	Pl	ant Employees
Aver.	_	8	_	5	6	0 ± 5
Max.					SHAPE SERVE	
Seasonal V	ariation _	Nil	-		Namedy College	
WATER SUPPLY	Source		Av. g.p.d.	Max. g.p	.d.	Treatment
Domestic a Sanitary	nd/or Stamford.		1,500	***************************************	_	Nil
Cooling				COSCO E LA CONTRACA AND PORTUGADO ANTINO ANT		
Industrial			made since provide account soften personne			
RAW MATERIALS	Steel, cast	iron.				
						(per Navel Printingsiannssaudenstationsburgstandsburgstandsburgstandsburgstandsburgstandsburgstandsburgstandsb
PRODUCTS	Railroad to	anale travle				
PRODUCTS	Railroad Ci	ack work.			THE STREET	(and the system and the system as a consideration and the system as a second
				unique a generalment en communication de l'executiva de l'executiva de l'executiva de l'executiva de l'executi		din sama kembangan dinadirindan dirintersakin direphere
	9				marina produced nation distance produce	

	Quantity	How Estimated	Date Sample
Cooling	0		and delivered to
Industrial	0		
		*	* ,
RIPTION OF SEWERS _			

REMARKS: No industrial liquid Waste; dry industry.

Survey by; E. T. Ciebien.

Date June 23, 1959.

INDUSTRY	Hamill Machine	Works,			COUNTY _	Welland	1.
ADDRESS	1488 Arthur.			,	WATERSHED	Niagara	River.
	Stamford Twp.						
PERSONNEL _	Mr. M.T. Hamil	l - Owner.					
-							
-							
-							
PLANT OPERA	ATION	Hrs. per d	lay	Days	per week	I	Plant; Employees
Aver.		81/2			5	_	2
Max.						-	
Season	nal Variation		аўлізання.	-		_	
WATER SUPPI	LY Source	ce	Av. g.p.d.		Max. g.p	.d.	Treatment
Domest Sanita	tic and/or ary Stamfo	ord.	No Meter.	i	disk stopments on the state of		Nil
Coolir	ng		es conseguence qualitativa de la conseguencia de la			Projection Color	mended and assessment open process of the later
Indust	trial						
RAW MATERIA	ALS Steel,	east iron					
	Marie Constitution of the	and the second s	Marie de la Companio				
	material and the Congression of						
PDODUGEG	We also w	a mate					
PRODUCTS _	Machin	e paro	O 6				Halandor (and Indinamina) (firm in profit procession
							terapende les de les comments aprend en la responsibilité de l'entre de les controls de l'entre de

-	Quantity	How Estimated	Date Sample
Cooling	0		
Industrial	0		
RIPTION OF SEWERS			

REMARKS: Dry industry. No industrial liquid wastes.

Survey by; E. T. Ciebien.

Date June 17, 1959.

INDUSTRY _	Hastings Machine Tools Ltd.	COUNTY	Welland.
ADDRESS _	600 Montrose Rd.,	WATERSHED	Nisgara River.
_	Stamford Twp.		
PERSONNEL	Mr. G. Rickwood - Owner.		
	Mr. L. DeBernardo - Foreman.	-	
		(Approxima	
PLANT OPER	MATION Hrs. per day	Days per week	Plant Employees
Aver	81/2	5	15
Max.			
Seaso	onal Variation		
WATER SUPI	PLY Source Av. g.p.d.	Max. g.p	.d. Treatment
	stic and/or No Meter.	-	Nil
Cool	ng		
Indus	strial		
RAW MATER	MALS Steel, cast iron, brass.		
PRODUCTS	Machines for optical industry.		
			langina (kyronogan aksal) kalansanadhi kina (kilikunian aksal) kanga (kilikunian aksal)
			instrument who Olivino probable the Millands probable representation of

	Quantity	How Estimated	Date Sample
Cooling	0	: '	
Industrial	0		
		*	
IPTION OF SEWERS			
RIPTION OF SEWERS			
RIPTION OF SEWERS			
RIPTION OF SEWERS			

REMARKS: Dry industry. No industrial liquid waste.

Survey by; E. T. Ciebien.

Date June 1959.

INDUSTRY	International	Co-op. Ltd			COUNTY _	Wellar	nd.	
ADDRESS	2651 Cropp St	.,			WATERSHED	Niaga	ra River.	
5	Stamford, Twp.							
PERSONNEL								
	)			granting reculence Reported				
PLANT OPERAT	TION	Hrs. per d	lay	Day	s per week		Plant Empl	oyees
Aver.						_		
Max.				employed to		_	proghagous toda aspectos established	
Seasona	al Variation		MONTH AND THE PARTY OF THE PART	-		_		
WATER SUPPLY	Y Sour	ce	Av. g.p.d.		Max. g.p	.d.	Treatm	ient
Domesti Sanita	ic and/or				Mikatonianamonamonamonamon			Occupanio (Cita)
Cooling	5					-	emethers blood (Apparentments reference)	
Indust	rial			-				
RAW MATERIAL	LS Plant is	closed at	present. E	xpected	new purcha	ser to	prepare	ginanamor:
	canned s	pagetti.			CONTRACTOR OF THE STATE OF THE			
			and the state of t	ujikan sidansayan aktorajian si jelik der				nguadingka (FFB
PRODUCTS _			THE RESERVE OF THE PARTY OF THE					
_								
£							agentinate stray (resignates approximate	

# Sanitary Quantity How Estimated Date Sampled Cooling Industrial DESCRIPTION OF SEWERS

REMARKS:

Survey by; E. T. Ciebien.

Date June 1959.

INDUSTRY	Lewis	Metalarg	uraica/	Conto		COUNTY _	Welland	indiana ina mananana
ADDRESS _	Kent	St.	,			WATERSHED	Niagara	River.
_	Stamf	ord Two.						
PERSONNEL				granden aglica de manadorno andread				
		1						
PLANT OPE	RATION		Hrs. per	day	Da	lys per week	.1	Plant Employees
Aver	•				_			and an entry of the first of
Max.							_	
Seas	onal V	ariation		all southern	-			
WATER SUP	PLY	Sour	ce	Av. g.p	.d.	Max. g.p	.d.	Treatment
Dome: Sani	stic a tary	nd/or				tick/scoupropromotive/fellow	No. World State	
Cool	ing			Market Market State Stat	gr. non arress	NAME OF THE OWNER OF THE OWNER OF THE OWNER.		
Indu	strial				or person			
RAW MATER	IALS .	Plant ha	s been "c]	losed" and	put up f	or sale.	e de sus estados en como de sector do como estados en como en c	organización planet tractimolar films provide aphrophical describe tra-
		Tradical School Service Consumer Conference Co		a again na gharangan na dhun sail an na Ghirill an gaireall			WHAT & C	
							gas servicina describirados dos como	
PRODUCTS								
				0.00000				

# Sanitary Quantity How Estimated Date Sampled Cooling Industrial DESCRIPTION OF SEWERS

REMARKS:

Survey by; E. T. Ciebien.

Date June 18, 1959.

INDUSTRY Line	nite Abrasives Ltd	••	COUNTY	Welland.
ADDRESS 193	Stanley Ave. N.,		WATERSHED	Niagara River.
Star	mford Twp.		N/CENTRALISMONIA	
PERSONNEL Mr.	J. Harvey - Super	intendent.	processor and the second and the sec	
No. of Contract Contr				
***************************************	)		SALUMICE PAPERSON	
4			puscolanies	
PLANT OPERATIO	N Hrs. p	er day	Days per week	Plant; Employees
Aver.	-	24	7	150 - 10
Max.			company, and various insulinacionaps with referred confirmers.	
Seasonal	Variation Close	ed only 2 days per	r year.	mail, pundent land a Commission (Commission Commission
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.	d. Treatment
Domestic Sanitary	and/or Stamford.	4,500	No. of Concession, Name of	Nil
Cooling	12	95,000	135,000	H .
Industria	1			
RAW MATERIALS	1) Boaxite, sto	eel tarnings, cok	e.	
	2) Petroleum c	oke, silica sand,	sawdust.	
				described instructional time search and proper process and make the second make a seco
PRODUCTS	1) Crude Al <sub>2</sub> 0 <sub>3</sub>	abrasive.		
	2) Silica Carb	ide SiC.		
å	¥			

Sanita	cys To town	ship sanitary se	wer.	
Coolin	E .	Quantity 95-135.000 gal/day	How Estimated Water bills	Date Sampled
			ded in the sewer layout he sanitary sewer.	

REMARKS: Cooling water is the prime use of the plant for this large volume of water.

No other liquid wastes are produced since the refinement of the products is cars

out in American plants.

Survey by; E. T. Ciebien.

Date June 23, 1959.

INDUSTRY Lubri	zol of Cana	ada Ltd.			COUNTY _	Welland	
ADDRESS 1800	Thorold St	one Rd.,			WATERSHED	Niagara	River.
Stami	ord Twp.						
PERSONNEL Mr. N	. A. Payne	Gen. M	gr.				
-				0-10000			
www.compougwoon.com							
PLANT OPERATION	H	Irs. per da	ly	Days	per week	I	Plant Employees
Aver.	_	8.	-		5	Manche	25 ± 5
Max.	_		-	2000 CO. ACT			
Seasonal Va	ariation _		ш			-	
WATER SUPPLY	Source	)	Av. g.p.d.		Max. g.p	.d.	Treatment
Domestic ar Sanitary	nd/or / Stamford		3,600		5,400		Nil
Cooling					In discount of the Control		
Industrial			Sealth risk agricult in Countries Children war				
DALL MAMEDIATO				-43			*
RAW MATERIALS	Chemical a	dditives.	intermediates	011	carrier Da	ise.	
				CHANGE CO. CO.			estimation solves Connectific Assets Connections assets of administrated
			a galantina managa mela gana kenan mangang Samuan (ganabana sa	and the chinesteric to			
						The second secon	
PRODUCTES	Oil additi	ives (tank	car quantitie	s).	y desired and the second secon		
***			and described and have been reported to the Alberta Street				
		TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE	NECESSARY COME OF SECURITY CONTRACTOR (S. MICHAEL SOUR) TOOL TO			Name of Street, or Owner,	

Sanitary To s	anitary sewer.		
*	Quantity	How Estimated	Date Sampled
Cooling	3-5,000	Water Bill	
Industrial			
		* *	
DESCRIPTION OF SEWERS	Floor washups dis	charge to an open dite	ch to H.F.P.C. power
- Halle La	Cooling water and	sanitary wastes disch	narge to township
sewer.			

REMARKS: Oils are washed from blending tanks with a solvent. Approximately one 45 gallon drum of waste is sent to the dump every 2 weeks.

The ditch to the H.E.P.C. canal is usually dry and the flow seldom reaches the canal unless there is a large flow of storm water.

Survey by; E. T. Ciebien.

Date June 18, 1959.

INDUSTRY MeI	ntyre Aluminum Produ	cts.	COUNTY Well	COUNTY Welland.			
ADDRESS Ken	t Ave.		WATERSHEDN4.	gara River.			
Sta	mford, Twp.		ONE CONTRACTOR OF THE CONTRACT				
PERSONNEL Mr.	N. Crack - Office M	lgr.	gas-a/merchan/hine				
-			OH-Confinitions				
		nemative type registered the reduced attention to the second section and the second section is the second section as the section as the second section as the section a	One and the Control				
motorcoun		ang thin Case (the gives are constructed and rectal all procession at the	Control Contro				
PLANT OPERATIO	ON Hrs. per	day	Days per week	Plant Employees			
Aver.	8	on-childrens	5	15-20			
Max.	-		Security and Condenses of an extension of the analysis and a subsequent				
Seasonal	Variation						
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment			
Domestic	and/or /Stamford	2,000	3.000				
Cooling	B cam ord			The second second			
Industria	al						
DAW MAMPDIATS	12-1						
HAW PATERIANS	Aluminum, glass,	screen.		and described an			
	entalle all'invalvino, pare Casarana, plesaria, accianzie e Casarie e e e e al recilie al Casarie e	the and the principal parties in equivalent and employer of the Child Parties and	gorg Companyon shorteng in the construction Onemics 200- Construction One				
PPODLICINI							
PRODUCES	"Altex" aluminum						
-							
Residents	y A	กระบบริเศษ เป็นเป็นเป็นเป็นเป็นเป็นเป็น เกาะ เกาะการการการการการการการการการการการการการก		and the classic section could be seen a general country and the country of the co			

Sanitary	To septie tank.		
~	Quantity	How Estimated	Date Sampled
Cooling	2,000	Water Bill.	
Industrial	1		
			4 × 4
DESCRIPTION OF SE	EWERS		
	3,18		

REMARKS: No industrial liquid waste; Dry industry.

Survey by; E. T. Ciebien.

Date June 10, 1959.

INDUSTRY Moel	ler Mfg. Co. (	Canada)	COUNTY _	Wellard
ADDRESS1760	Valley Way.		WATERSHED	Niagara River.
Star	ford Twp.			
PERSONNEL <u>Carl</u>	Olson- Manage	r.	a glasga ur mediadosa	
PLANT OPERATION	Hrs.	per day	Days per week	Plant Employees
Aver.	Nicoland Control	8	5	2 P & O.
Max.	-		STREET, ST. AND THE CONTRACT OF THE STREET, ST	AN INSTRUCTION AND ADJUSTMENT ADJUSTMENT AND ADJUSTMENT ADJUS
Seasonal V	ariation	Construction (Construction of Construction of	NA ARRICANO ARRIVA RECEIVARA PROPERTIES	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.	o.d. Treatment
Domestic a Sanitary		No Meter	with any control of the control of t	
Cooling		gional encolonidate politica processor processor from the second		
Industrial				
RAW MATERIALS	Aluminum cas	tings, rubber was	hers.	
PRODUCTS	Bottle storper	"S		
	-			
				Discolar Charles (Indicated in Charles (Indi
Nativijasiusjim		Committee of the property of the Committee of the Committ		Activation of the Commission Commission Commission of the Commission Commissi

Sanitary To s	anitary sewer.		
	Quantity	How Estimated	Date Sampled
Cooling			
Industrial	0		
DESCRIPTION OF SEWERS _	4		
	The second secon		

REMARKS: No industrial liquid waste; Dry industry.

Survey by; E. T. Ciebien.

Date June 11, 1959.

INDUSTRY _	Noranda Mines			-	COUNTY	Welland.	-
ADDRESS	Chippawa Cr.	Äd.			WATERSHED _	Welland	River.
PERSONNEL .							
	)						
PLANT OPER	ATION	Hrs. per d	ay	Days	s per week	Pla	nt Employees
Aver.			inspirate			Market Market (Market (Market)	
Max.			nadrow .	transferred to the		Company of the Company	
Seaso	nal Variation		-				
WATER SUPP	LY Sou	rce	Av. g.p.d.		Max. g.p.d	•	Treatment
Domes Sanit	tic and/or ary				with the same of t		
Cooli	ng	Andrew States of Name of States					
Indus	trial						
RAW MATERI	ALS "Close (Process		production pr	roved	to be uneco	nomical.	)
PRODUCTS					galle genelin janop genera sanda biraks		one beginning and the control of the
			and in an analysis and a second second second second				
	÷ -						

# Sanitary Quantity How Estimated Date Sampled Cooling Industrial DESCRIPTION OF SEWERS

REMARKS:

Survey by; E. T. Ciebien.

Date June 11, 1959.

INDUSTRY _	Stategic-udy,	Metallurgi	cal and Chemi	cal	COUNTY	Welland.
ADDRESS _	Processes Ltd 3527 Stanley	Sty		W	ATERSHED _	Niagara River.
PERSONNEL	Stemford Twp	Gen. Mgr.				
PLANT OPER	RATION	Hrs. per d	lay	Days	per week	Plant Employees
Aver.		24			7	65-70 hourly.
Seaso	onal Variation		SCHOOL STATE OF THE STATE OF TH			
WATER SUPP		ce	Av. g.p.d.		Max. g.p.d	1. Treatment
Domes Sanit	stic and/or cary <u>Stanfo</u>	ord	31,000		36,000	Nil
Cooli				-		
RAW MATERI	TALS Ores					
PRODUCTES	Ferro allo					-plant).
				N. N. A. C.	OR NOT THE THE STREET S	mandered China China Sana (Simila China) (Simila China

	Sanitary _	To townshi	lp sanitary	sewer.			
			Quantity		How Estimated		Date Sampled
	Cooling		31-36,000		Water Bill		-0-
	Industrial	(_	gal/day.			Del	
DESCR	IPTION OF SE	WERS All 1	water flows	to town	ship sewers.		
					<u> </u>		
<i>y</i> -							
-							

REMARKS: Water is used for cooling electric furnaces.

Water for concentrating metal is used by recycling.

Survey by; E. T. Ciebien.

Date June , 1959.

INDUSTRY	Beavers Wood Fibre Co. Ltd.	COUNTY	Welland.
ADDRESS	Highway #58.	WATERSHED	12 Mile Creek.
	Thorold South.		
PERSONNEL _	Mr. L. T. Bradley - Vice Pres.	nome.	
	Mr. J. C. Smith - Plant Engineer.*		
_	Mr. F. H. Cowan - Plant Supt.*	Nacional Control of the Control of t	
	Mr. R. Thompson - Chemist. *	numbers of the state of the sta	
PLANT OPERA	FION Hrs. per day	Days per week	Plant Employees
Aver.	24	6	400
Max.			Annual transportation follows proceedings from a proper super supe
Season	al Variation		
WATER SUPPL	Y Source Av. g.p.d.	Max. g.p.d	. Treatment
Domest Sanita	ic and/or ry Thorold	11,800	
Coolin		(See Letter)	
Indust	rial Welland Canal 5,000,000		
RAW MATERIA	LS Wood, waste paper, sulphite pulp,	(15 T./day.)	continued to gas strategy or discount and a strategy, period and a strategy or discount of the strategy of the
		innigence agosts ag tractación de comede notamente motorn	
PRODUCTS	Newsprint 115 Tons/day , Paper Bo	ard 175 Tons/da	y, Wall Board 40
Date _	million sq. ft./year.		
- 18 P			
Ī			

San	itary with in	iustrial Wastes.		
		Quantity	How Estimated	Date Sampled
Coo	ling			
Ind	ustrial			
		5000,000	Company Source.	July 8th, 1959.
SCRIPTI	ON OF SEWERS	Main outfall t	o small settling po	ond whose effluent
WAS	sampled = 3t M	D. The pulp Beate	rs effluent open cl	mannel = 1.0 MCD.
New	sprint machine	secessible only ins	ide flowing east th	nen north = 0.75 MMD.
One	sanitary outle	t north side of bui	lding. All flows	enter Beaver Dams Cre
to 1	Marlatt's Pond	under Welland Canal	•	
MARKS:	Daily Wastes:		×	
		B.O.D.	4	Susp. Solids.
	Main Sewer	4650#		11700#
	Newsprint	690#		1.020#
	Pulp Beaters	2230#		4120#
	Total	7,590.4		16 Shoe

Survey by; F.J. Dart.

Date July 8, 1959.

INDUSTRY	olon Co. Ltd.,		COUNTY	end,
ADDRESS	ever Done Pdvy		WATERSHED 12	mile Cru
	orold Dep.		00.0	
PERSONNEL	F. Barley - Place	d Bagineer.		
-10	B.B. Uming - W	also Hanager	-	
<del>-14</del>	, Della Romany - Ol	def Begineer.	and the state of t	
	1037	3	Down now wools	Plant Employees
PLANT OPERATI	ON Hrs.	per day	Days per week	180
Aver.		24	and the second s	200
			das villaga per pirt la para di ficili consenza per la cita de la consenza del per la	
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Preatment
Domestic Sanitary		18,700	. While the purposes are constructed in the construction	Prested
Cooling	Old Welland	Canal 900,000		Wil
Industri	al None			
RAW MATERIALS	Coke, Sil	ica, Alumina,		
PPODITOMS	Odlan olumbus su	a novikia obvener		
PRODUCTS	•			
ř				

WASTE	DISPOSAL				
	Sanitary	Thorota a	er. Sower excep	ot two toilets.	
			Quantity	How Estimated	Date Sampled
	Cooling		900,000	Pump capacities	June 25, 1959
	Industria	1			
DESCR	IPTION OF	SEWERS	o privote disci	arge to Harlatt 's Pond	1.
-					
_					
_					
_					
_					

REMARKS: Water supply from Old Welland Canal receiving water from Welland Canal.

Survey by; F.J. Dart.

Date June 23, 1959.

INDUSTRY	Hayes Stee	ol Products	Ltd.		COUNTY _	∀e11	and		
ADDRESS	Highway (	58, Thorold	South		MATERSHED	12	Mile	Creek	, a
The state of the s	fr. R. Yaege fr. W. S. S								
***************************************									
PLANT OPERATIO	DN	Hrs. per da	ay	Days	per week		Pla	ent Emp	loyees
Aver.		16		-	5		-	280	
Max.	Variation		_			•	-		
Seasonal	variation			-					
WATER SUPPLY	Sour		Av. g.p.d.		Max. g.p	.d.		Treat	ment
Domestic Sanitary	and/or Wellan	d Canal .		, ,			£i	lter a	nd Cl <sub>2</sub>
Cooling	Wellan	d Canal				Q-MESTICANO.	fi	llter a	nd Cl <sub>2</sub>
Industria	al Wellan	d Canal		·			£1	liter a	nd Cla
Total	1		80,000	*			fi	llter a	nd Cl <sub>2</sub>
RAW MATERIALS		Sheet steel	, and crude	casting	s, zinc				
	Resident desiration des Completes de l'action de								-
PRODUCTS		Finished s	teel stampi	ngs and	forgings	Paris San O	2 2 1111210	ei sayg fertiringgengende	None, almin, almi
11000015					gar efinakar (atom) kingganilan etinen in				Management Statement Statement
Non-ground									

Sani	tary To	sanitary sewer sump	- Beaver Dams Creek	
		Quantity	How Estimated	Date Sampled
Cool	ing		company	
Indu	strial (pick)	ing)	figures	
		79,000		July 8th, 1959
DESCRIPTIO	n of sewers	Three outfalls to	open ditch at rear -	two at rear -
	rarely flow	ring, and one (the ma	in one) on the south s	ide of the building
-				
***************************************				
REMARKS:	Oil is pro	minent in the wastes	as it is cometimes dur	nped - does not
	show in any	particular composit	e sample. Pickling	to be discontinued
	at this pla	ent, in the near futu	re.	
		B.O.D. 5.20 Suspended solids 7.0 Iron (min.) 0.88 lb. Oil (min.) 23.2 lb.		DSSIBLE DUMPS

Survey by; F.J. Dart

Date July 8th, 1959

INDUSTRY Nati	onal Refractories	Ltd.	COUNTY Wel	land
ADDRESS Po	ort Robinson - nor	th of main coun	ty WATERSHED Well	and Canal
ro	oad		and the second s	
PERSONNEL Mr.	David Wright, Ma	nager	age, desirement	
			nuca ago-videnticamo	
		man penginega nganagan atawa merangan atawa atawa atawa atawa	Na Constitution of Mark States	
emelang-pagenoment			a garage management	
PLANT OPERATION	Hrs. pe	r day	Days per week	Plant Employees
Aver.	8	place reconstructions		20
Max.	CORNEL DESIGNATION OF THE PROPERTY STATES AND AND ADDRESS.		MANAGE ACLECTICATION CHARGE (SHEET) MET METER	25
Seasonal Va	ariation	PROCESSES SOFTERED		CONCRETE TO A CONTRACT OF THE PROPERTY OF T
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic an Sanitary		. Go.		managed study introd to the contract of the co
Cooling		SELECTE CONTROL OF THE PROPERTY OF THE		
Industrial	Std.Steel Const	. Co.		
Total		1,000		
RAW MATERIALS	Fire clays	Онтракација и динуска је и дин		General Andrews and the control of t
		Omerican Association of the Control of Contr		
				CONTRACTOR COMPANY COM
PRODUCES;	Fire bricks		n minumber sking ver Challe i Ste minumber skrev skille i Ori Albe (da Ste W. Nadra Klain	

	Sanitary	Two	septic	tanks 1	to field	tile	)		
			Que	mtity		How	Estimated	Date	Sampled
	Cooling		-					and the second second	And the second
	Industrial		smal	u				-	
								w·	
DESCR:	IPTION OF SEWE	RS	Only	waste	s are do	mesti	Lo		
_									
-									

REMARKS: Water is used only to mix fire clays and for domestic purposes.

Water supply is bought from neighbouring company Standard Steel Construction

Co. Ltd. which chlorinates and filters water from Welland Canal.

Survey by; F. J. Dart

industry N	ichols Chemical Co	., Ltd.	COUNTY Wellan	d
ADDRESS	Beaver Dams Rd.,	Thorold South	WATERSHED 12	Mile Creek
PERSONNEL Mr. A	. J. Wallace, Loca	tion Supervisor		
PLANT OPERATION	Hrs. per	day	Days per week	Plant Employees
Aver.  Max.  Seasonal Va				
WATER SUPPLY	Source	Av. g.p.d.	Max. g.p.d.	Treatment
Domestic ar Sanitary	nd/or Merritton			nil
Cooling	Merritton			ni.l
Industrial	Merritton .			nil
Total		9,000	20,000	
RAW MATERIALS _	Baugite (Al <sub>2</sub> O <sub>3</sub> )	Sulphuric acid	l, H <sub>2</sub> SO <sub>4</sub>	
-				
-			70: have breath dwy h	ool a
PRODUCTS	$Al_2$ ( $SO_4$ ) <sub>3</sub> in aqua	sous solution.	700 tons/month dry b	4816
malustratished				
1				activaria despuis de libra de la companie a desde relación de la companie de la c

San	itary	Septic tan	k and field	tille	
		Quanti		How Estimated	
Coo	ling				
Ind	ustrial	small			June 23. 1959
				ear of the plant	- normally does
REMARKS:				Lagoon can ove	orflow in springs
	Salida	total	3*3*	Diss.	

Survey by; F. J. Dart

Date June 23rd, 1959

INDUSTRY	Ontario Paper Co., Ltd.	COUNTY Wol	land				
ADDRESS	Thorold	WATERSHEDOld	Wolland Canal				
PERSONNEL	Mr. H. T. Fisher, Ass't to Vice-Pres	ident,					
Standard Book Supplement	Mr. R. Comette, Divisional Manager,						
emicadoucouched	Dr. C. A. Sankey, Director of Research,						
West Constitution of the C	Mr. G. A. Franklin, Control Superint	endent,					
PLANT OPERATION	Mr. W. Fell, Engineer.  Hrs. per day Day	s per week	Plant Employees				
Aver.	24 Newsprin		Hourly 1,134				
Max.	Sulphite Sulphite	Drier - 5	Salary 279				
Seasonal V	Vanillin Alcohol	,					
WATER SHPPLY	Source Av. g.p.d.	Max. g.p.d.	Treatment				
Domestic a		0.1					
Sanitary	& Ind. Munic. 50,000	66,000					
Cooling							
Industrial	Welland Ship Canal 26,400,000	28,800,000	Chlorinate approx. 2/3 of supply				
RAW MATERIALS	Limestone - 350 lbs. per ton pulp -	- 34 tons per					
	Sulphur - 215 lbs. per ton pulp - 22	tons per day					
Alum (newsprint mill) - 22 lbs. per ton newsprint - 7.25 tons per day							
Lime - 40 tons per week in vanillin plant							
- 0.5 tons per day in newsprint mill (to neutralize alum) PRODUCTS Newsprint 658 tons per day (usually between 660 and 670 tons per day							
Sulphite pulp (to Beaver Wood Fibre Co., Ltd.) 25 tons per day							
	Sulphite pulp (dried for sale) - 50 tons per day						
	Industrial alcohol - 2,500 gallons pe Vanillin - designed for 5,000 lbs. pe		entacky organizacy, with estimation and hardway and personal processing and personal				

	Sanitary To pl	ant severs	nen and representative in the case of the designer in the second first of the contract of the	
		Quantity	How Estimated	Date Sampled
	Cooling	Construction of the plant of th	endotestamente temperatura com entre	
	Industrial	26,300,000 gpd	based on consumption	July 7, 1959
			* *	
DESCH	RIPTION OF SEWERS	(see report, page	5)	
		-		
	CONTRACTOR AND ADMINISTRATION OF CONTRACTOR	gen intergrine en intergrine general general angele en mer, con time direction annex des planes a com AC	region e diffica descripti circular giornimi di servici cuchi sel Circ Selecci i comprendi di sullici colo sepera o membra	manget man dang dang penggama at manakan penggan man kalan penggan
		chican comment izani carak ahasanak nabunga kakina carak "yiD nabiha Ciliu da yiBasdi		on-sens dang dan dang dang dikana-sensing dikang sensiting dan dicasa
			waaraanka duanee ah oo in o	The active about the second control of the s
				Construction and resident profession in Section (Construction of Construction
				THE RESERVE AND A STREET ASSESSMENT

REMARKS:

Survey by;

INDUSTRY Sta	andard Stee	1 Constru	ction	1		COUNTY	Wellan	<u>d</u>	-
ADDRESS Po	ort Robinso	n - nort	h of	main county	roadw	ATERSHED	Wellan	d Canal	
- Contrador dos	r. A. W. Ru			Manager *					
PLANT OPERATIO	DN	Hrs. per	day		Days	per week	I	Plant Emp	oloyees
Aver.		8				5	-	108	
Max.					-		-	200	
Seasonal	Variation						-		
WATER SUPPLY	Sour	ce	A	7. g.p.d.		Max. g.p.	d.	Trea	tment
Domestic Sanitary	and/or Welland	Canal	-	allow, delicated exploration provided research	-	i i	-	filter	& C1,
Cooling	Welland	Canal	-		_		(Market	filter	& C12
Industria	al		_	-	-				
Total	Welland	Canal	3	0,000		35,000			
RAW MATERIALS	Ste	el beams,	gird	lers, slates	etc.			allergian y magi mirrodite (magai	-
							grandin diki danggunda (di		-
PRODUCTS	Constru	cted stee	l fab	rications		a principal sum quae parameter de cateval à a dévi	Strain des par qualitant	manifes held minimizera	
-			-					namelin Soul Seminatur-Joseph	
month responses.									
1									

T. F. A. CTEMPTO	DICTOROGAT
WADTE	DISPOSAL

Sanitary	To four (4) septi	c tank to Welland Canal	through weed bed
	Quantity	How Estimated	Date Sampled
Cooling	30,000	Company estimates	August 19th
Industrial			
		The same of the sa	*
DESCRIPTION OF SEWERS	4 septic tanks d	ischarge to common ditch	through weed
bed to the	Welland Canal		

REMARKS: High B.O.D. of 42 ppm in discharge to Welland Canal although the suspended solids was only 28 ppm.

This would represent 12.6 lb. of B.O.D. and 8.4 lb. of suspended solids

Survey by; F. J. Dart

Date August 19th, 1959