

SVP-14-006

January 28, 2014

U. S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555

> Quad Cities Nuclear Power Station, Units 1 and 2 Renewed Facility Operating License Nos. DPR-29 and DPR-30 <u>NRC Docket Nos. 50-254 and 50-265</u>

Subject: Illinois Environmental Protection Agency Violation Notice

Quad Cities Nuclear Power Station (QCNPS) has received Violation Notice W-2013-50241 from the Illinois Environmental Protection Agency (IEPA), pertaining to the Station's sanitary waste treatment plant outfall as identified in National Pollutant Discharge Elimination System (NPDES) permit IL0005037. Pursuant to Appendix B (Section 2.2) of the Renewed Facility Operating Licenses for QCNPS, enclosed is the IEPA Violation Notice and the Station's response.

Should you have any questions concerning this letter, please contact Mr. Wally J. Beck at (309) 227-2800.

Respectfully,

Scott Darin Site Vice President Quad Cities Nuclear Power Station

Enclosures: A – IEPA Violation Notice No. W-2013-50241 (dated January 7, 2014) B – QCNPS Response to IEPA Violation Notice (dated January 21, 2014)

cc: Regional Administrator – NRC Region III NRC Senior Resident Inspector – Quad Cities Nuclear Power Station

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# **Enclosure A**

IEPA Violation Notice No. W-2013-50241

dated

January 7, 2014



**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY** 

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217)782-2829Pat Quinn, GovernorLisa Bonnett, Director

217/524-6308

January 7, 2014

## CERTIFIED MAIL # 7011 1150 0001 0860 2140 RETURN RECEIPT REQUESTED

## Exelon Generation Company, LLC 22710 206<sup>th</sup> Avenue North Cordova, IL 61242

## Re: Violation Notice: Exelon Generation Company, LLC Violation Notice No.: W-2013-50241

Dear Facility Owner:

This constitutes a Violation Notice pursuant to Section 31(a)(1) of the Illinois Environmental Protection Act ("Act"), 415 ILCS 5/31(a)(1), and is based upon a review of available information and an investigation by representatives of the Illinois Environmental Protection Agency ("Illinois EPA").

The Illinois EPA hereby provides notice of alleged violations of environmental laws, regulations, or permits as set forth in Attachment A to this notice. Attachment A includes an explanation of the activities that the Illinois EPA believes may resolve the specified alleged violations, including an estimate of a reasonable time period to complete the necessary activities. Due to the nature and seriousness of the alleged violations, please be advised that resolution of the violations may also require the involvement of a prosecutorial authority for purposes that may include, among others, the imposition of statutory penalties.

A written response, which may include a request for a meeting with representatives of the Illinois EPA, must be submitted via certified mail to the Illinois EPA within 45 days of receipt of this letter. If a meeting is requested, it shall be held within 60 days of receipt of this notice. The response must include information in rebuttal, explanation, or justification of each alleged violation and a statement indicating whether or not the facility wishes to enter into a Compliance Commitment Agreement ("CCA") pursuant to Section 31(a) of the Act. If the facility wishes to enter into a CCA, the written response must also include proposed terms for the CCA that includes dates for achieving each commitment and may include a statement that compliance has been achieved for some or all of the alleged violations. The proposed terms of the CCA should contain sufficient detail and must include steps to be taken to achieve compliance and the necessary dates by which compliance will be achieved.

Page 2 of 2

## Exelon Generation Company, LLC VN W-2013-50241

The Illinois EPA will review the proposed terms for a CCA provided by the facility and, within 30 days of receipt, will respond with either a proposed CCA or a notice that no CCA will be issued by the Illinois EPA. If the Illinois EPA sends a proposed CCA, the facility must respond in writing by, either agreeing to and signing the proposed CCA, or by notifying the Illinois EPA that the facility rejects the terms of the proposed CCA. When compliance is achieved, the owner of the facility must submit a completed statement of compliance form certifying that all Compliance Commitment Agreement measures/events have been successfully completed.

If a timely written response to this Violation Notice is not provided, it shall be considered a waiver of the opportunity to respond and meet, and the Illinois EPA may proceed with referral to a prosecutorial authority.

Written communications should be directed to:

Illinois EPA – Division of Water Pollution Control Attn: Cathy Siders/ CAS#19 P.O.BOX 19276 Springfield, IL 62794-9276

All communications must include reference to this Violation Notice number, W-2013-50241.

Questions regarding this Violation Notice should be directed to Cathy Siders at 217/524-6308.

Sincerely

our Callaway

Roger Callaway Compliance Assurance Section Division of Water Pollution Control Bureau of Water

Attachments

## **ATTACHMENT A**

#### **Exelon Generation Company, LLC**

### VIOLATION NOTICE NO. W-2013-50241

Questions regarding the violations identified in this attachment should be referred to Cathy Siders at (217) 524-6308.

On October 16, 2013, the Illinois EPA received a letter dated October, 10, 2013 from Exelon Generation Company, LLC. In the letter it was noted that the facility has discharged sanitary treatment plant effluent via an outfall not specified in NPDES Permit #IL0005037, and is therefore in violation of the Environmental Protection Act.

A review of information available to the Illinois EPA indicates the following violations of statutes, regulations, or permits. Included with each type of violation is an explanation of the activities that the Illinois EPA believes may resolve the violation including an estimated time period for resolution.

### Unpermitted Discharge/Failure to Obtain an NPDES Permit for Point Source Discharge

Implement necessary actions to prevent any further unpermitted discharge. Compliance is expected immediately.

Violation	Violation
<u>Date</u>	<b>Description</b>
10/16/2013	Except as in compliance with the provisions of the Act, Board regulations, and the CWA & (Clean Water Act), and the provisions and conditions of the NPDES (National Pollutant Discharge Elimination System) permit issued to the discharger, the discharge of any contaminant or pollutant by any person into the waters of the State from a point source shall be unlawful.
Rule/Reg.:	Section 12(a) and (f) of the Act, 415 ILCS 5/12(a) and (f) (2012), 35 Ill. Adm. Code 309.102(a)

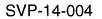
## **Enclosure B**

QCNPS Response to IEPA Violation Notice

dated

January 21, 2014

Exelon Generation Company, LLC Quad Cities Nuclear Power Station 22710 206<sup>th</sup> Ave North Cordova, II. 61242-9740



CERTIFIED MAIL RETURN RECEIPT REQUESTED

January 21, 2014

Illinois EPA – Division of Water Pollution Control Attn: Cathy Siders/CAS#19 P.O. Box 19276 Springfield, Illinois 62794-9276

- Subject: Violation Notice W-2013-50241 Facility I.D.: IL0005037 Quad Cities Nuclear Power Station
- References: (1) Notification letter from Tim Hanley to Darin LeCrone, dated October 10, 2013 (SVP-13-067)
  - (2) NPDES Permit Modification Submittal letter from Tim Hanley to Darin LeCrone, dated October 10, 2013 (SVP-13-068)

Exelon

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Dear Ms. Siders:

This letter constitutes the response of Exelon Generation Company, LLC (Exelon) to the Illinois Environmental Protection Agency's Violation Notice W-2013-50241, dated January 7, 2014, (Violation Notice) concerning Quad Cities Nuclear Power Station (Quad Cities or the Station). This letter provides Exelon's explanation concerning the alleged violation and Exelon's request to enter into a Compliance Commitment Agreement (CCA), in accordance with the Violation Notice.

1. Explanation of Events

The Station's current National Pollutant Discharge Elimination System (NPDES) permit lists the sanitary waste treatment plant (STP) (Outfall C01) as an internal stream contributing to Outfall 001/002, Open Cycle Diffusers. On October 8, 2013, Station personnel discovered that Outfall C01 does not flow into Outfall 001/002, but rather is routed through a 10-inch conduit, which discharges through an independent outfall directly into the Mississippi River. This STP outfall (STP Outfall) is located approximately 250 feet downstream of Outfall 001/002. On October 10, 2013, Exelon notified the Illinois EPA of this discovery (Reference #1).

Through a follow up investigation, Exelon has determined that the STP Outfall has been in place and used by the Station since the 1970's. Prior to 1983, the STP Outfall was identified in

the Station's NPDES permits as independent Outfall 005, with direct discharge to the Mississippi River. The Station's NPDES permit renewal application, submitted to Illinois EPA in 1981 identified the STP Outfall as independent Outfall 005. However, the renewed NPDES permit issued by Illinois EPA in 1983, in response to the 1981 renewal application, erroneously listed STP Outfall 005 as a contributing stream to the Open Cycle Diffuser Outfalls (Diffuser Outfalls). Following issuance of the 1983 permit, subsequent renewal permit applications submitted on behalf of the Station unfortunately continued the error; describing the STP Outfall as contributing to the Diffuser Outfalls.

Despite this error, effluent discharged from the STP Outfall has been subject to sampling and Discharge Monitoring Reporting requirements pursuant to the Station's NPDES permit. Sanitary Treatment Plant effluent is sampled at the plant discharge weir. That sampling point is located within the treatment plant, at a point after all treatment has occurred and prior to being discharged to the Mississippi River. Thus, effluent discharged via the STP Outfall has been sampled, monitored and reported to assure that the discharge complies with applicable NPDES permit effluent limits.

2. Responsive Measures

The following measures have been implemented in response to the STP Outfall discovery:

- 1. The STP Outfall flow was verified through dye testing on October 9, 2013. Verbal communications with Illinois EPA regarding the STP Outfall were made on October 9, 2013, following verification with dye testing. Follow-up written notification was submitted to Illinois EPA on October 10, 2013 (Reference #1).
- 2. Quad Cities submitted a request for modification to its existing NPDES permit No. IL 0005037 (dated August 26, 2010). The requested modification does not seek to change any effluent limitations, but rather requests a change of the outfall for the sanitary wastewater treatment plant (C01) effluent from a contributing stream to the Diffuser Outfalls (Outfall 001/002) to an independent Outfall (003), discharging directly to the Mississippi River at a specified location. Application Form 2C, Wastewater Discharge Information, Consolidated Permit Program and Site Water / Wastewater Flow Diagram were provided as Attachments to the permit modification request (Reference #2).
- 3. Compliance Commitment Agreement

Exelon wishes to enter into a Compliance Commitment Agreement with Illinois EPA.

4. Proposed Terms of Compliance Commitment Agreement

Submit NPDES Permit modification request for STP Outfall.

Exelon submitted a request for modification to its existing NPDES permit No. IL 0005037 (dated August 26, 2010), requesting a change of the outfall for its sanitary wastewater treatment plant (C01) effluent from a contributing stream of Outfall 001/002 to an independent Outfall (003), for Illinois EPA review and approval (Reference #2).

Exelon understands that the Illinois EPA has proposed to revise Quad Cities NPDES permit No. IL 0005037 to reflect the requested modification and that the Illinois EPA will issue the modified permit on or before April 14, 2014. Issuance of the revised permit and implementation of the CCA will fully address the violation alleged in Violation Notice W-2013-50241.

Please note that nothing in this letter should be deemed an admission to any violation of the Illinois Environmental Protection Act, the Federal Clean Water Act, or any associated regulations.

Exelon is not requesting a meeting with Illinois EPA to further discuss this matter, as provided for in the Violation Notice. However, if Illinois EPA believes a meeting would be beneficial or if you have any questions or need additional information, please contact Mark Stuhlman at (309) 227-2765 or John Petro at (630) 657-3209.

Sincerely,

Kan Didha (for)

Scott Darin Site Vice President Quad Cities Station

Enclosures: Reference #1: Notification letter from Tim Hanley to Darin LeCrone, dated October 10, 2013 (SVP-13-067) Reference #2: NPDES Permit Modification Submittal letter from Tim Hanley to Darin LeCrone, dated October 10, 2013 (SVP-13-068) Exelon Generation Company, LLC Quad Cities Nuclear Power Station 22710 206th Avenue North Cordova, IL 61242-9740 www.exeloncorp.com

SVP-13-067

CERTIFIED MAIL RETURN RECEIPT REQUESTED

October 10, 2013

Darin LeCrone Acting Manager, Industrial Unit, Permit Section Division of Water Pollution Control Illinois Environmental Protection Agency 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276

Subject: Exelon Generation Company Quad Cities Nuclear Power Station NPDES Permit No. IL0005037 dated August 26, 2010

Dear Mr. LeCrone:

This follows our previous communications regarding Quad Cities Station's sanitary waste treatment plant. The Station's NPDES permit lists the sanitary waste treatment plant (Outfall C01) as a contributing stream to Outfall 001/002, Open Cycle Diffusers. On October 8, 2013, Station personnel discovered that Outfall C01 is not flowing into Outfall 001/002, but is otherwise routed through a 10-inch conduit, which discharges through an independent outfall. This outfall is located downstream of Outfall 001/002.

As we have discussed with you, sampling of the sanitary treatment plant effluent demonstrates that the plant has complied with the applicable NPDES permit effluent limits, notwithstanding this independent outfall. The existing sampling point, located at the discharge weir within the sanitary waste treatment plant, is representative of the effluent stream after all treatment but prior to discharge to the Mississippi River. Quad Cities plans to continue using this sampling point to monitor compliance with NPDES permit requirements for the sanitary waste treatment plant.

Quad Cities is currently preparing to submit to IEPA the appropriate information to support a permit revision, which accurately reflects the existing outfall arrangement. The permit revision request will not seek to modify the existing

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permit effluent limits applicable to the Station's sanitary waste treatment plant. If you have any questions or need additional information, please contact Mark Stuhlman at (309) 227-2765 or John Petro at (630) 657-3209.

Sincerely,

7/ Tim Hanley Site Vice President

Quad Cities Station

TH/MS

CC: Roger Callaway, IEPA Compliance Leslie Lowry, IEPA Permitting Mark Stuhlman Letterbook Exelon Generation Company, LLC Quad Cities Nuclear Power Station 22710 206th Avenue North Cordova, IL 61242-9740 www.exeloncorp.com

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SVP-13-068

CERTIFIED MAIL RETURN RECEIPT REQUESTED

October 10, 2013

Darin LeCrone Acting Manager, Industrial Unit, Permit Section Division of Water Pollution Control Illinois Environmental Protection Agency 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276

Subject: Exelon Generation Company Quad Cities Nuclear Power Station NPDES Permit No. IL0005037 dated August 26, 2010

Dear Mr. LeCrone:

Quad Cities Station is requesting a modification to its existing National Pollutant Discharge Elimination System (NPDES) permit No. IL 0005037. The requested modification does not seek to change any permitted effluent limitations but rather requests a change of the outfall for its sanitary wastewater treatment plant (C01) effluent from a contributing stream of outfall 001/002 to an independent outfall (003) and the location of the outfall. Application Form 2C, Wastewater Discharge Information, Consolidated Permit Program and Site Water / Wastewater Flow Diagram are provided as Attachments to this document.

If you have any questions or need additional information, please contact Mark Stuhlman at (309) 227-2765 or John Petro at (630) 657-3209.

Sincerely,

ley Tim Hanlev

Site Vice President Quad Cities Station

TH/MS

CC: Roger Callaway, IEPA Compliance Leslie Lowry, IEPA Permitting Mark Stuhlman Letterbook

## EPA I.D. NUMBER (copy from Item 1 of form 1) ILD060862810

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CERTIFICATION CERTIFICATION Interfeating of the analyses reports A NAME StAmerica Incorporated StAmerica Incorporated Statemerica Incorporated	d In Item V. performed by a contract laboratory or list the name, address, and (eleptrone number of inte analyzed by, each such laboratory or firm be 8. ADDRESS 704 Enterprise Drive Cedar Falls, Iowa 50813-0625 Cedar Falls, Iowa 50813-0625	and (area code d (319) 277-2401 (319) 277-2401 (319	NO (go to Section D) ONE D. POLLUTANTS ANALYZ no.) (ist) Outfall C01: All Analysis Outfall C01: All Analysis supervision in accordance with a system I on my inquiry of the person or persons best of my knowledge and bellef, true, cluding the possibility of fine and PHONE NO. (aree code & no.) (309) 227- 3600

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

	EPA I.D. NUMBER (copy from flem1	of Form	1)
1			
Î	ILD 060862810		
4			

V. INTAKE AND EFF														ALL NO. 103
PARTA - Y	ou must pro	vide th	e results of at le	ast one analysi	s for every policy		Constate on	e table for each	outpl. Se					
1. POLLUTANT					b. MAXIMUM	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (7 evolutio)		VALUE (Tavatata)		a. CONCEN TRATION	b. MASS	AVERAGE VALUE		d. NO. OF
		-	(1) CONCENTRATION	21 14455	(f) CONCENTRATION	(Z) 14455	(I) CONCENTRATION	(2) <b>11</b> 55	YSES			(1) CONCEN	(2) NASS	YSES
a. Biochemical Oxygen Demand (BOD)			36.0	1.20	21.2	0.71	9.4	0.31	41	mg/L	ibs/day		a Maria Indonesia Maria	
b. Chemical Oxygen Demand (COD) c. Total Organic Carbon		1. 11.									аны. Алгараа			
(TOC)		н. н. Н										Stear of		
d. Total Suspended Sol (TSS)	ids		29.5	0.98	22.2	0.74	11.8	0.39	44	mg/L	lbs/day			
e. Ammonia			ante a constructiones a constructiones				ale e la parte de la composition de la Composition de la composition de la comp	· · ·						
f. Flow		,	VALUE	0.007	VALUE	0.005	VALUE	0.004	:45	M	GD	VALUE		
g. Temperature (winter)		·	VALUE		VALUE		VALUE				С	VALUE	· · · · · · ·	
h. Temperature (summer)			VALUE		VALUE	na se se	VALUE	·····			С	VALUE	· · .	
L pH			MENIMUM 6.6	MAXIMUM 7.6	MINIMUM 6.8	MAXIMUM 7.4		<	44	STANDA	RD UNITS	teres a ser	>~<	
pi pi ai	pliutant which pliutants for iditional def	th is litr which y alls an	ited either direc you mark column d regularments.	by or indirectly	or have reason but expressly it provide quantite	n an effluent lim Nive data or an	itations guidelin	ie, you must pro	wide the rea	suits of at least rge. Complete	st one analys e one table f	is for that poli or each outfall	utent. For oti . See instruct	ier tions for
1. POLLUTANT	2.10	C 100		DAILY MALLIE	TE MAXIMUM	. EFFLUENT	CLONG TE	DAL ALOO	Id. NO. OF		b MASS		NTAKE (optor G TERM	10. NO. OF
AND CAS NUMBER (Tevelatio)	LIEVED FRG- SENT	LIEVED AB- SENT	(1)			30 DAT VALUE (1250)   (2) MASS		(Lendinie) (Lendinie) (Duuss	ANAL-	TRATION	0. 10.00			ANAL-
a. Bromide (24969-67-9)		X	< 2.5	< 0.083	CONCENTRATION		CONCENTRATION		1	mg/L	lbs/day	TRATION		
b. Chiorine, Total Residual	×		> 3.5	> 0.117	> 3.5	> 0.117	3.4	0.113	152	mg/L	lbs/day			
c. Color	×		75				[		1	Pt-Co		<u></u>		
d. Fecal Collionn	×		< 1		< 1		< 1		45	Pcci/100 ml				
e. Fluoride (16984-48-8)	×		< 0.20	< 0.007					1	mg/L	ibs/day			
f. Nitrate-Nitrite (as N)	×		52	1.736						mg/L	lbs/day	1		

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TEM V-B CONTINUED F		RX X			3	. EFFLUENT	······································			4.0	ats	5. 11	TAKE (opto	ne() :
AND CAS NUMBER	LEVED	C DE	8. MAXIMUM	DAILY VALUE	b. MAXIMUM S		C.LONG TE		d. NO. OF	a. CONCEN TRATION	b. MASS	8. LONG TERM AVERAGE VALUE		d. NO. O
(l'available)	PRE- SENT	AB- SENT		(2) W455	(1) CONCENTRATION	227 MAR 53	(1) CONCENTRATION	(2) <b>4</b> 69	YSES			(I) CONCEN-	(2) 304.83	YSES
g. Nitrogen, Total Organic (as N)	x		11.9	0.397					1	mg/L	ibs/day			
h. Oil and Grease	x		< 5.1	< 0.170					4	mg/L	ibs/day			
l. Phosphorus (as P), Total (7723-14-0)	×		10.8	0.361					1	mg/L	lbs/day			
. Redicectivity												· · · · · ·		<b>—</b>
(1) Aloha, Total	×		< 1.9						1	pCi/L.				
(2) Bete, Total	x		32.8						1	pCI/L				
(3) Radium, Total	x		3.4						1 -	pCi/L.				
(4) Radium 228. Total	x		< 0.1						1	pCi/L				
k. Sullata (as SO 4) (14808-79-8)	x		57	1.9					1	mg/L	ibs/day			
I. Sulfide (es S)		x	< 1.0	< 0.033					1	mg/L	ibs/day			
m. Suffite (as SO ;) (14206-48-3)		×						· · · · · · · · · · · · · · · · · · ·						
n. Surfactants	x		0.0972	0.003			·		1	mg/L	ibs/day	· · · ·		T
o. Atuminum, Totel (7429-90-5)	x		< 0.10	< 0.003					1	mg/L	lbs/day		:	
p. Barium, Total (7440-39-9)	×		0.020	0.001			· ·		1	mg/L	lbs/day			
g. Boron, Totzi (7440-42-8)	x		0.10	0.003					1	mg/L	lbs/day			
r. Cobatt, Total (7440-48-4)	x	1	< 0.020	< 0.001					1	.mg/L	ibs/day			
s. iron, Total (7439-69-6)	x		0.19	0.006					1	mg/L	lbs/day			
t. Magnesium, Tolai (7439-95-4)	x		22	0.73					1	mg/L	ibs/day			
u. Molybdenum, Total (7439-08-7)	x		< 0.050	< 0.002	·				1	mg/L	ibs/day			
v. Manganese, Total (7439-96-6)	X		0.031	0.001					1	mg/L	lbs/day			
w. Tin, Totel (7440-31-5)	x		< 0.10	< 0.003	·				1	mg/L	lbs/day		•	
x. Titanium, Total (7440-32-6)	x		< 0.050	< 0.002					1	mg/L	lbs/day	1 		

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	if you a column nonpro each p must p acroiel believe reason	tre a print 2-e for clutant rovide i n, acryl o that yours the p	tmary i r all su astowa i you bi the res ionitrile ou disc ofluteri	ndustry and this ch GCMS fract ter outfalls, and allove is absent uits of at least of , 2,4 dinitrophen harge in concess harge in concess	ions that apply is non-required ( . If you mark co one analysis for not, or 2-methyl strations of 100 be discharged.	s process waste to your industry ( 3C/MS fractions) lumn 2a for any that pollutant if ( 4,6 dinitrophene ppb or greater ( Note that there	and for ALL tool ), mark "X" in co pothutant, you m you know or hav at, you must pro Otherwise for p	c metals, cyanic dumn 2-b for ea wust provide the re reason to bef vide the results ollutants for whi	det, and total p ch pollutant yo results of at le love it will be d of at least one ich you mark o	phenois. If yo iu innow or he last one anal Scharged in analysis for ohimn 2b, yo	u are not req ive reason to lysis for that p concentration each of these u must either	utred to mark believe is pro- collutant. If you as of 10 ppb - pollutants w submit at lea	column 2-e ( esent. Mark 7 nu mark colum of greater, if y inich you kno ast one analys	secondary in (* in column in 25 for any ou mark colu v or have rea sis or briefly (	dustries, 2-c for pollutant, smn 2b for uson to Jesonibe th
den et de standige de la companya de la settera de la s				ional distaits eni	d requirements.		Entre Laborato								
1 POLLUTANT AND CAS NUMBER	A. YEST- ING RS- CLUB-	MARK LEVED PRS-	C.BS- LEVED AB-	a. MAXIMUM	DAILY VALUE		EFFLUENT 10 DAY VALUE Inter			d. NO. OF		D. MASS	a. LON		d. NO. O
(If available)	80		SENT	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) 44455	(1 CONCENTRATION	(2) MASS	YSES			AVERAG (I) CONCEN- IBATION	(2) 10(55	YSE8
WETALS, CYANID	e, and	TOTA	L PHE	NOLS											
M. Antimony, Total 7440-36-0)		• <b>x</b>		< 0.10	< 0.003					1	mg/L	lbs/day			
M. Araonic, Total 7440-38-2)		×	19 A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.	< 0.0050	< 0.0002		1.1. A.			1	mg/L	lbs/day			
M. Beryflum, Total 7440-41-7)		×		< 0.010	< 0.000					- 1 -	mg/L	lbs/day	*		
M. Cadmium, Total 7440-43-9)		X		< 0.020	< 0.00067					1	mg/L	lbs/day			
iM. Chronalum, Total (7440-47-3)	1 .	x		< 0.020	< 0.0007	5. · · · · · · · · · · · · · · · · · · ·				1	mg/L	lbs/day			
M. Copper, Total 7440-50-8)		X		< 0.020	< 0.001					1	mg/L	lbs/day			
M. Lead, Total 7439-02-1)				< 0.10	< 0.0033					1	mg/L	lbs/day			
M. Mercury, Total 7439-97-6)	н., н. -	x		< 0.00020	< 0.00001					1	mg/L	ibs/day			
M. Nickel, Total 7440-02-0)		x		< 0.050	< 0.002					··· 1 ···	mg/L	lbs/day			
IOM. Selenium, Total (7782-49-2)		x		< 0.0050	< 0.0002					1	mg/L	ibs/day			
1M. Silver, Total 7440-22-4)		`` <b>x</b>		< 0.020	< 0.0007					1 1	mg/L	ibs/day			
2M. Thellium, Total 7440-28-0)	 	x		< 1.0	< 0.0334					1	mg/L	ibs/day			
3M. Zinc, Total 7440-66-6)		<b>`x</b>		0.133	0.004					1. <b>1</b>	mg/L	lbs/day			
4M. Cyanide, Total 57-12-5)		×		0.019	0.001					4	mg/L	lbs/day			
SM. Phonois, Total	1 	<b>x</b> .		< 0.020	< 0.001			n an an tair. Na		<b>4</b>	mg/L	ibs/day			
NOXIN									·						
2,3,7,8-Tatra- chlorodibenzo-P- Dicuán (1764-01-6)			X	DESCRIBE RES	SULTS	e de la composición d Esta de la composición			Li takini	ente Altra de la composición Altra de la composición	ning Series Series Series Series				

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

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1. POLLUTANT AND CAS NUMBER	A TEST.	0.05-	C BE	a. MAXIMUM I	AILY VALUE	b. MAXIMUM S	DAY VALUE	CLONG TE VALUE A	RM AVRG.	d. NO. OF	B. CONCEN TRATION		8, LONG TERM		d. NO. OF
(if available)	8 8 8	PRE- SENT	A8- 5817		(2) WASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	<i>(</i> 2) W\$3	YSES			(1) CONCER-	(2) MASS	YSES
CAN'S FRACTION	- VOL	ATILE	COMP	DUNDS						·					
V. Acrolein (107-02-8)			• <b>X</b>												· · ·
N. Acrylonikile (107-13-1)			Х												
V. Berzene (71-43-2)	· .		X												
IV. Bis (Chloromethyl) Ether (542-86-1)			X												
IV. Branslam 75-25-2)			X		•										н
SV. Certon teleshoride (36-23-5)			x	:			• . •								
IV. Chloroberaene (105-60-7)			X												
IV. Chlorodžiromo- nethene (124-48-1)		·	x												
IV. Chlorosthene (75-00-3)			x												
10V. 2-ChlorosthyMinyl sthar (110-75-6)			x												
11V, Chlorolom (37-85-3)			X												
12V. Dichtersbromo- methene (75-27-4)			x											· · · · ·	
15V. Dichlaradiluoro- michano (78-71-8)			X												
14V. 1,1-Dictorgethene (75-34-3)			x												
15V. 1,2-OlchorosCano (107-05-3)			x												1 
1617. 1,1-Dictionality/ana (75-36-4)			X				-								
17V. 1.2-Otottoropropane (75-87-6)			X												
18V. 1,3-Dictiono- propylaria (542-75-6)			x		×						: .			· .	
197. Eltyibarzana (100-41-4)			x	·					:						
SIV. Methyl branide (74-63-9)			x						·						
tiV. Matal chioride	1	t	x		••••••••••••••••••••••••••••••••••••••	1				1			1		1.00

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NUMBER	2.	MARK	<u>х</u> свь			1	EFFLUENT				4.0			NTAKE (option		
	OUR.	PRE-	LUEVIED AB-		DAILY VALUE	(1		C.LONG TERM AVRG. VALUE (Landstei (1) (2) MASS		ANAL-	a. CONCEN TRATION	· D. MASS	AVERAGE VALUE (I) CONCEN- (2) MASS		d. NO. O ANAL-	
(Tavalatite)	60	SENT	58MT	(1) CONCENTRATION		(1) CONCENTRATION	44,000	CONCENTRATION		YSES			TRATION	(4) (10255	YSES	
GC/MS FRACTION	- VOL	ATILE		DURIDIS (continu	ed)										<u> </u>	
22V. Methylura chlorida (75-09-2)			X													
23V, 1,1,2,2-Tetra- chilorosthane (79-34-6)			X						1							
26V. Totachiorositylane (127-18-4)			X													
25V. Taluene (109-85-3)			X													
26V, 1,2-Trans-dichluro- aligiana (156-80-6)			X													
27V. 1,1,1-Trichbrochune (71-65-6)			X		. "											
267, 1,1,2-Trichlomothano (79-03-5)			х													
29V. Trictionalitylane (79-01-6)			<b>X</b> .													
307, Trictiorativoro- methene (75-08-4)			X													
91V. Vinyi chiuride (75-01-4)	:		X				· · · ·									
<b>GC/MS FRACTION</b>	• ACIE	CONS	<b>OUND</b>	8								1 - N		: <sup>1</sup>	(1,1,1,1)	
(45-67-6)	н н. П		X							an a			· . · . · ·			
2A 2,4 Oktoberal (120-49-2)		· ·	· <b>X</b>													
M. 2,4-Ormsthylphonal (108-67-6)		1. J.A.	X													
4. 6 <u>6 Oraco O cran</u> ci (534-63-1)		.e.	Х									a an				
54. 2,4-Onikophenol (51-28-6)	:		X													
SA 3-Hélenghandi (88-75-6)			X													
7A. 4-Nikucharol (100-02-7)			X													
54. P-Chioro-M-cresol (39-60-7)			X													
M. Pertacharophenol (87-00-5)			X													
10A. Phonal (108-85-2)	:		· X													
11A. 2,4,4-Trichtorophenol 186-05-2)	n ar e L		X									· . · · ·				
DA Com 3540.20 //		<u> </u>					DAGE V.A							ON DEVEDO		

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CONTINUED FROM 1. POLLUTANT AND CAS NUMBER		MARK	x				. EFFLUENT		·		4.01		5.0	NTAKE (option	-
	HGR5	6.85-	LIEVED	a. Maximum	DAILY VALUE	b. MAXIMUM 3	DAY VALUE	CLONG TE		d. NO. OF	a. CONCEN TRATION	b. MASS	a, LONG	3 TERM	d. NO. OF ANAL-
(I avalatio)	GUR. ED	PRE- Sent	40- 17630		¢34465	(f) CONCENTRADON	CE WASS	(1) CONCENTRATION	(2)4483	YSES	INVENDE		AVERAG	(2) 10453	YSES
GC/M8 FRACTION	- BAS	eneu	RAL C												
18. Acerephiliene (63-32-47)			X												
28. Accoupter, terre (200-00-6)			X												
18. Antracene (130-13-7)			X												
48. Benzidne (92-67-5)			X												
58. Benzo (a) antivacene (50-65-3)			х		,									-	
08. Benzo (a) pyrone (90-32-6)			X												
78. 3.4-Benzofuorarchene (205-69-2)			X												
68. Benzo (gti) perylone (191-24-2)			X												
93-Benze (k) Quoranthene (207-06-6)			X												
100. Bis (Ichlosoethor-y) mothere (111-91-1)			x												
119. 815 (2-chiptosityi) athur (111-66-6)			x												
128. Bis (2-chippino- propyl) other (102-80-1)			x							·					
135. 8ts (2-city/hazyi) phihulata (117-81-7)			X									· · ·			
168. 4-Bromophanyl phanyl albor (191-89-3)			X											· ·	
158. Bubli benzył phinalate (85-69-7)			x								·				
168. 2-Chluioszphihalana (91-68-7)			x									· · · · ·			
178 4-Chlorophenyl phanyl ether (7008-72-3)			x												
168. Chrystae (218-01-8)			х							T					
198. Dibenio (a,h) antivacana (53-70-3)			x									· · · · ·			
205. 1,3-OktHorobenzene (25-50-1)			X									· · · ·			
218. 1.3-Okrtumberuere (541-73-1)			x							1		· · · ·			<u> </u>

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

	00040	
ILD 0608	02010	

CONTINUED FROM PAGE V-6					ILD 060862810 003										· .
1. POLLUTANT		MARK	x		1. EFFLUENT							UT8	5. INTAKE (optional)		
AND CAS NUMBER	A. TEAT- MG NE- GLUA-	PR6-	UEVED		DAILY VALUE	b. MAXCHUM SO DAY VAL (7 evelotie) (1) (2) BASI		VALUE (Constants)		ANIAL.	a. CONCEN TRATION	D. MASS	a. LON	3 TERM E VALUE C) MASS	d. NO. OF ANAL- YSES
(I svclabin)	60	THE	11638	(I) CONCERTRADON		CONCERTRATION.		(T) CONCENTRATION		Taes			TRATION		Taca
GCAIS FRACTION		EALEU	RAL										<b></b>	<u> </u>	· · · · · · ·
228. 1,4-Okristobergene (108-48-7)			X												
238. 3,3*-Dictricro- berusedine (91-04-1)	1.1.1		X					·							
248. Challyd philhelaito (34-66-2)			X				н. н								
258. Dimethyl philhetate (121-11-3)			X												
2012 Di-N-bugi prifutate (04-74-2)			X					2			1				
278.2,4-0isitutakne (121-14-2)			X												
228.2,6 Organitans (506-20-2)			X			·									
298. Di-N-och/ philuine (117-84-0)			X		a anti-										
308. 1.3-Olphergi hydrastra (122-06-7)			x			ng ana sa			• : .						
318. FLoranihere (206-44-C)			X												
329. Filorens (88-73-7)		11 - A	×				en e								
338. Hexachtorobenzene . (119-74-1) .			• <b>X</b> -		· · · ·		e La caracteriza				- 1				
348. Hexachiorctuladiene (87-05-3)			X										e arte es		
308. Howethorocyclo- pertatione (77-47-4)			X												
368. Hexachioraethurie (67-72-1)	••••		X												
378. Indeno (1,2,3-od) cymme (183-39-5)		,	<b>X</b> 1												
368. isopharane (78-59-1)			<b>X</b> (												
358. Naphthalana (91-26-3)			: <b>X</b>												
408. Nitroberiziona (96-85-3)			X						an guna an taong Taong						
418. N-Nitresodimethyl- zmine (02-75-9)			X												
428. N.Altrand H- propyle:::bis (621-64-7)			X												

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CONTINUED FROM 1. POLLUTANT AND CAS NUMBER (Texalable)		MARK				3	4.09	ats	5. INTAKE (aptone)						
	A YEST-	0.85	616	8. MAXIMUM	DAILY VALUE	b. MAXIMUM S	DAY VALUE	CLONG TE	RM AVRG.	d. NO. OF	a. CONCEN TRATION		a. LONG	TERM	d. NO. C
	60	R- PRE-			(2) LANS	(1) CONCENTRATION	2) W453		Q1483	YSES	TRATION		(I) CONCER-	(2) MASS	YSES
GCMIS FRACTION	1 - BAS	EMEU	IRAL C		continued)										
138. N-Hillitasoli- Ihanylastána (88-30-6)			X												
148. Phananificana 15-01-8)			х												
58. Pyrane (129-09-0)			x								· .				
08. 1,2,4-Trictigro- netzene (120-62-1)			X					-							
GC/MS FRACTION	- PES	TICIDE	8												
IP. Aldıfın (309-00-2)			x										·		
2P. 0-8HC (319-84-6)			х												
9P. 0-8HC 319-65-7)			х												
NP. 0-8HC (58-89-9)			х												
5P. D-8HC (319-88-8)			х												
9P. Chilordiane (57-74- <del>0</del> )			х							·					
7P 4,4'-00'î 50-29-3)			x												
8P. 4,4'-DDE (72-55-8)			х												
8P. 4,4'-DDD (72-54-8)			x												
10P. Diekkrin 60-57-1)			x												
11P <b>C-Endosultan</b> (115-29-7)			х												
12P -Endosulfan (115-29-7)			X												
ISP Endosultan Sultate (1031-07-8)			х												
14P Endrin 72-20-8)			x												
15P Endrin Akle- hyde (7421-83-4)			х												İ
6P Heptachior 76-44-8)			х												1

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

CONTINUED FROM	A PAG	E V-8		:	ILD 060862810			(	003						
1. POLLUTANT	2. MARK X				1. EFFLUENT			.1ª .1				INTS	5, 1	TAKE (option	
AND CAS NUMBER	A. YEST- NG RE- QUR-	D. BE- LIEVED FRE-	LOG		JM DAILY VALUE b. MAXIMUM 30 (Pinet		Aniche)	VALUE	ALLIE (I matatin)		a. CONCEN TRATION	<sup>°</sup> d. Mass	AVERAGE VALUE		d. NO. OF ANAL-
(I sveletie)	60		<b>SENT</b>	(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	d) MASS	YSES			(1) CONCEN-	· (2) MASS	YSES
<b>GCANS FRACTION</b>	- PES	TICIDE	(cont	inued)		teres e e e	1. I.						·		
17P. Hepterchior Eposide (1924-57-3)			X	$\frac{d_{2}\chi_{0}}{d_{1}} = \frac{1}{2} \frac{1}{$							1.				
18P. PCB-1242 (53469-21-9)			X					:							
19P. PCB-1254 (11097-69-1)			X						· · · · · ·						
20P. PCB-1221 (11104-28-2)			" <b>X</b> "								Mafilia di A Alianti ang	r Ann an Ann an		· · · · ·	
21P. PCB-1232 (11141-16-5)		· ·	X					an a							
22P. PC8-1248 (12672-29-6)			X									i. Liste en en			
23P. PO8-1260 (11096-82-5)			X								· · · · · ·				
24P. PC8-1018 (12674-11-2)			X												
25P. Touphone (8001-35-2)	·		X		na an an An Anna an Anna Anna Anna Anna						la gheilte a Sin gheilte an 1944				

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