

TAHOJAN NUCLEAR PLANT
MONTHLY WPDES DATA
SEPTEMBER 1990
(Page 1 of 9)

DISCHARGE & DILUTION STRUCTURE

04-Oct-90
11:47 AM

DAY	EFFLUENT FLOW		EFFLUENT PH				TEMPERATURE				DELTA °T		HEAT DISCHARGED 1E6 BTU/HR		RESIDUAL CL2		REMARKS
	(MGD)	MIN	MAX	AVG	AVG	MAX	AVG	MAX	AVG	MAX	AVG	MAX	INST	DAILY AVG	DAILY AVG	MAX	
	2164.3	MAX	1926.0	11(9.0)					8810	8816	18160/240	62(79)					
1	41.3	8.0	8.2	8.1	69	70	73	74	4	4	79	65	<0.1	<0.1	FD		
2	41.1	8.0	8.2	8.1	69	70	74	74	5	5	75	65	<0.1	<0.1	FD		
3	40.3	8.0	8.2	8.1	69	70	74	74	5	5	78	65	<0.1	<0.1	U		
4	40.0	8.0	8.2	8.1	69	70	74	75	5	5	75	65	<0.1	<0.1	U		
5	42.0	7.6	8.2	8.1	69	70	74	75	5	5	75	65	<0.1	<0.1	U		
6	48.4	8.0	8.3	8.1	69	70	74	74	5	5	83	65	<0.1	<0.1	U		
7	49.1	7.8	8.2	8.1	69	70	74	75	5	5	80	65	<0.1	<0.1	U		
8	49.6	7.9	8.2	8.1	69	70	74	75	5	5	80	65	<0.1	<0.1	U		
9	49.0	7.9	8.2	8.1	69	70	73	74	4	4	78	65	<0.1	<0.1	U		
10	48.2	7.8	8.3	8.1	69	69	72	73	3	4	85	60	<0.1	<0.1	TT		
11	50.5	7.8	8.1	8.0	68	69	72	73	4	5	78	65	<0.1	<0.1	TT		
12	50.6	7.8	8.0	7.9	68	69	72	73	4	5	82	65	<0.1	<0.1	TT		
13	49.9	8.0	8.1	8.0	68	69	72	73	4	5	80	60	<0.1	<0.1	TT	BTU/ FLOW D06	
14	41.0	7.3	8.1	8.0	68	68	72	73	4	5	80	60	<0.1	<0.1	TT	CL2 D06	
15	41.5	8.0	8.4	8.2	68	68	72	73	4	5	70	55	<0.1	<0.1	TT	CL2 D06	
16	42.0	8.0	8.2	8.2	67	68	72	73	5	6	77	60	<0.1	<0.1	TT	CL2 D06	
17	42.0	7.4	8.1	8.0	67	68	72	73	5	6	80	70	<0.1	<0.1	WNC	CL2 D06	
18	43.3	7.3	8.1	8.0	67	68	72	73	5	5	78	65	<0.1	<0.1	WNC	CL2 D06	
19	42.2	7.4	8.2	8.1	68	68	72	73	4	5	70	60	<0.1	<0.1	WNC	CL2 D06	
20	41.1	8.0	8.3	8.2	68	68	72	73	4	5	75	65	<0.1	<0.1	WNC	CL2 D06	
21	39.6	7.6	8.3	8.1	68	68	72	74	4	6	75	65	<0.1	<0.1	WNC	CL2 D06	
22	40.4	7.7	8.3	8.2	68	69	72	73	4	5	75	65	<0.1	<0.1	WNC	CL2 D06	
23	40.7	7.9	8.4	8.2	68	68	72	74	4	6	80	70	<0.1	<0.1	WNC	CL2 D06	
24	44.4	7.9	8.4	8.2	69	68	72	73	4	5	80	72	<0.1	<0.1	BC	CL2 D06	
25	55.9	7.8	7.8	7.9	67	68	72	73	5	5	57	50	<0.1	<0.1	BC	CL2 D06	
26	60.5	7.8	8.0	8.0	68	65	70	72	2	5	78	64	<0.1	<0.1	3C	CL2 D06	
27	59.0	7.6	8.0	7.9	68	68	70	71	2	3	60	50	<0.1	<0.1	8D	CL2 D06	
28	55.7	7.6	8.0	8.0	68	68	70	71	2	3	55	50	<0.1	<0.1	6C	CL2 D06	
29	58.7	7.6	8.1	8.0	69	68	70	70	2	2	40	35	<0.1	<0.1	6C	CL2 D06	
30	55.0	7.6	8.1	8.0	68	68	69	69	1	1	30	20	<0.1	<0.1	6C	CL2 D06	
31																	
TOTAL	1399.0	233.8	245.2	242.0	2046	2063	2165	2193	119	141	2189	1811	<0.1	<0.1			
MIN	39.6	7.4	7.8	7.9	67	68	69	69	1	1	30	20	<0.1	<0.1			
MAX	60.5	8.0	8.4	8.2	69	70	74	75	5	6	65	72	<0.1	<0.1			
AVG	46.6	7.8	8.2	8.1	68	69	72	73	4	5	73	60	<0.1	<0.1			

REVIEWED BY [Signature] DATE 10/9/90

CHEMISTRY COMPUTER FORM C-201
REVISION 0 (4/87)

9101100015 901228
PDR ADOCK 05000344
R PDR

NAME PORTLAND GENERAL ELECTRIC CO
 ADDRESS 121 SW SALMON STREET
PORTLAND OR 97204

OR0023451
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

F - FINAL
 DISCHARGE & DILUTION STRUCTURE

CITY _____
 LOCATION _____
 ATTN: R. J. HESS, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	09	01		90	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 05)
 NOTE: Read instructions before completing this form.

PARAMETER (12-17)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (3-Card Only) (46-53)			QUALITY OR CONCENTRATION (4-Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 6 0 0 RAW SEW/INFLUENT		*****	*****		*****	68.0	*****		0	CONTINUOUS	RECORD
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	75.0	*****		0	CONTINUOUS	RECORD
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 2 0 0 EFFLUENT NET VALUE		*****	*****		*****	4.0	6.0		0	CONTINUOUS	RECORD
THERMAL DISCHARGE MILLION BTUS PER HR. 00015 1 0 0 EFFLUENT GROSS VALUE		*****	72		*****	*****	*****		0	DAILY	CONTIN
PH 00406 1 0 0 EFFLUENT GROSS VALUE		*****	79 MBTU/ DAILY MX HR		*****	*****	*****		0	DAILY	CONTIN
SODIUM, TOTAL (AS NA) 00929 1 0 0 EFFLUENT GROSS VALUE		*****	*****		7.4	*****	8.4		0	CONTINUOUS	RECORD
SULFATE, TOTAL (AS SO4) 00945 1 0 0 EFFLUENT GROSS VALUE		*****	*****		6.0	*****	9.0		0	CONTINUOUS	RECORD
		*****	*****		*****	9.8	9.8		0	Once/ Month	COMPOS
		*****	*****		*****	25	100		0	ONCE/ MONTH	COMPO
		*****	*****		*****	300A AVG	DAILY MX	MG/L	0	Once/ Month	COMPOS
		*****	*****		*****	24.7	24.7		0	Once/ Month	COMPOS
		*****	*****		*****	240	824		0	ONCE/ MONTH	COMPO
		*****	*****		*****	300A AVG	DAILY MX	MG/L	0	ONCE/ MONTH	COMPO

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
R. J. Hess/Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 16 U.S.C. § 1301 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

R. J. Hess
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 503 464-8521
 DATE
 90 10 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME PORTLAND GENERAL ELECTRIC CO

ADDRESS 121 SW SALMON STREET

PORTLAND OR 97204

00023451
PERMIT NUMBER

001 A
DISCHARGE NUMBER

F - FINAL DISCHARGE & DILUTION STRUCTURE

ACTIVITY _____

LOCATION _____

ATTN: R. J. HESS, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	09	01		90	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBJ: 05)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (34-41)			QUALITY OR CONCENTRATION (42-51)				NO. EX (52-53)	FREQUENCY OF ANALYSIS (54-58)	SAMPLE TYPE (59-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BORON, TOTAL (AS B) 01022 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.09	0.20		0	3/30	COMPO
	PERMIT REQUIREMENT	*****	*****	****	*****	0.1	1.0			ONCE/	COMPOS
ALUMINUM, TOTAL (AS AL) 01105 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.04	0.04		0	Once/	COMPO
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	0.8			ONCE/	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	60.5		*****	*****	*****		0	DAILY	MEASR
	PERMIT REQUIREMENT	*****	64.3	DAILY MX MGD	*****	*****	*****	****		DAILY	MEASRE
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.1		0	CONTIN	RCORD
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.1			CONTIN	RCORD
SOLIDS, TOTAL DISSOLVED 70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	124.8	147.0		0	WEEKLY	COMP2
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			WEEKLY	COMP2
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R. J. Hess/Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

R. J. Hess
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 593 464-8521
DATE: 90 10 12
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME PORTLAND GENERAL ELECTRIC CO

ADDRESS 121 SW SALMON STREET

PORTLAND OR 97204

ACTIVITY _____

LOCATION _____

ATTN: R. J. HESS, MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

OR0023451
PERMIT NUMBER

001 B
DISCHARGE NUMBER

F - FINAL
COOLING WATER RIVER TEMP <66F

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	09	01		90	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 05)

NOTE: Read Instructions before completing this form.

PARAMETER (12-17)	X	(3-Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4-Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 6 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****		*****		*****				
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT	*****			CONTIN RECORD DUOUS	
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****		*****				
	PERMIT REQUIREMENT	*****	*****	***	*****		*****	16		CONTIN RECORD DUOUS	
THERMAL DISCHARGE MILLION BTUS PER HR. 00015 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****			*****		*****				
	PERMIT REQUIREMENT	*****	240 MBTU/ INST. MX HR		*****		*****	***		DAILY CONTI	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT				NOT APPLICABLE						
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R. J. Hess/Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

R J Hess

TELEPHONE
503 464-8521
AREA CODE NUMBER

DATE
90 10 12
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
USE THIS DMR TO REPORT TEMP & HEAT DISCHARGE DURING COOLDOWN OPERATIONS WHEN COLUMBIA RIVER WATER TEMP ADJACENT TO PLANT SITE IS <66F.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME PORTLAND GENERAL ELECTRIC CO
 ADDRESS 121 SW SALMON STREET
PORTLAND OR 97204

NATION/L POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-15) (17-19)

OR0023451
 PERMIT NUMBER

001 C
 DISCHARGE NUMBER

F - FINAL
 COOLING WATER RIVER TEMP 966F
 Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91

ACTIVITY _____
 LOCATION _____
 ATTN: R. J. HESS, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	09	01		90	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 05)
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. CENTIGRADE 0010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT	REPORT	DEG. C	CONTINCONTI	UOUS
TEMPERATURE, WATER DEG. FAHRENHEIT 0011 6 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	DEG. F	CONTINCONTI	UOUS
TEMPERATURE, WATER DEG. FAHRENHEIT 0011 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	8	DEG. F	CONTINCONTI	UOUS
THERMAL DISCHARGE MILLION BTUS PER HR. 0015 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	160 MBTU/ INST MX HR		*****	*****	*****	***	CONTINRCORDE	UOUS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT				NOT APPLICABLE					
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
R. J. Hess/Manager		503 464-8521		90	10	12
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 USE THIS DMR TO REPORT TEMP & HEAT DISCHARGE DURING COOLDOWN OPERATIONS WHEN COLUMBIA RIVER WATER TEMP ADJACENT TO PLANT SITE >66F.

PERMITTEE NAME/ADDRESS (include facility name/location if different)

NAME PORTLAND GENERAL ELECTRIC CO
 ADDRESS 121 SW SALMON STREET
PORTLAND OR 97204

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

OR0023451
 PERMIT NUMBER

002 A
 DISCHARGE NUMBER

F - FINAL
 DOMESTIC WASTE

Form Approved
 OMB No. 2040-0004
 Approval expires 8-30-91

FACILITY
 LOCATION
 ATTN: R. J. HESS, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	09	01		90	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 05)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (34-61)			QUALITY OR CONCENTRATION (34-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
0000 5-DAY (20 DEG. C)		14.0	78.6		*****	58.0	323.0		*	
00310 1 0 1 EFFLUENT GROSS VALUE PH		12.5 30DA AVG	25.0 DAILY MX	LBS/DY	*****	20 30DA AVG	30 DAILY MX		2	WEEKLY COMP2
00400 1 0 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED		*****	*****		6.98	7.51			0	DAILY GRAB
00530 1 0 1 EFFLUENT GROSS VALUE COLIFORM, FECAL MF, M-FC BROTH, 44.5C		*****	*****		6.0	9.0			0	DAILY GRAB
31616 1 0 0 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT		*****	*****		*****	200	400 #/		0	ONCE/MONTH GRAB
50050 1 0 1 EFFLUENT GROSS VALUE CHLORINE, TOTAL RESIDUAL		0.022	*****		*****	*****	*****		0	DAILY MEASRI
50060 1 0 0 EFFLUENT GROSS VALUE		0.075 30DA AVG	*****	MGD	*****	*****	*****		0	DAILY MEASRI
		*****	*****		*****	0.5	*****		0	DAILY GRAB
		*****	*****		*****	REPORT 30DA AVG	*****		0	DAILY GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
R. J. Hess/Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

R. J. Hess
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 503 464-8521
 DATE 90 10 12

COMMENT / 40 EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 0 INDICATES FLOW; JUNE - OCTOBER.
 P INDICATES FLOW; NOVEMBER - MAY.

NOTE: During September 9000 gallons of sludge (3000 gallons each day on September 12, 27 and 28) was removed from site.
 * See cover letter for explanation

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME PORTLAND GENERAL ELECTRIC CO
ADDRESS 121 SW SALMON STREET
 PORTLAND OR 97204

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (17-19)
DR0023451 (2-16) PERMIT NUMBER
003 A (17-19) DISCHARGE NUMBER

Form Approved
 OMB No. 2040-0004
F - FINAL
SETTLING BASIN EFFLUENT
 Approval expires 6-30-91

MONITORING PERIOD
 FROM YEAR 90 MO 09 DAY 01 TO YEAR 90 MO 09 DAY 30
 MAJOR (SUBR 05)

NOTE: Read instructions before completing this form.

PARAMETER (12-37)	QUANTITY OR LOADING (3 Card Only) (54-61)			QUALITY OR CONCENTRATION (14-61)			NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)			
SOLIDS, TOTAL SUSPENDED	0.49	0.75		0.000000	0.000000		0	Twice/Month	COMP24
EFFLUENT GROSS VALUE	30DA AVG	DAILY MX	LBS/DY	0.000000	0.000000		0	ONCE/MONTH	COMP24
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.016	0.16	MGD	0.000000	0.000000		0	DAILY	MEASRI
SEE COMMENTS BELOW				0.000000	0.000000		0	DAILY	MEASRI
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.000000	0.02	MGD	0.000000	0.000000		0	DAILY	ME/ SR
EFFLUENT GROSS VALUE	0.000000	DAILY MX	MGD	0.000000	0.000000		0	DAILY	ME/ SR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 R. J. Hess/Manager
 TYPED OR PRINTED
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 R. J. Hess
 TELEPHONE NUMBER
 503 464-8521
 AREA CODE
 503
 DATE
 90 10 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 "0" INDICATES FLOW IF NEUTRALIZING TANK IS DISCHARGED THRU THE SETTLING BASIN.
 EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

NAME: PORTLAND GENERAL ELECTRIC CO
 ADDRESS: 121 SW SALMON STREET
PORTLAND OR 97204

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

QR0023451
 PERMIT NUMBER

004 A
 DISCHARGE NUMBER

F - FINAL
 BOILER BLOWDOWN

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91

FACILITY: _____
 LOCATION: _____
 ATTN: R. J. HESS, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	09	01		90	09	30
	(20-31)	(12-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 05)

NOTE: Read instructions before completing this form.

PARAMETER (12-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COPPER, TOTAL (AS CU) 01042 1 0 0	SAMPLE MEASUREMENT	*****			*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	1.0	DAILY MX LBS/DY	*****	*****	*****	***		ONCE/COMP 24 MONTH	
IRON, TOTAL (AS FE) 01045 1 0 0	SAMPLE MEASUREMENT	*****			*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	1.0	DAILY MX LBS/DY	*****	*****	*****	***		ONCE/COMP 24 MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT		*****		*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	*****	MGD	*****	*****	*****	***		DAILY ESTIM	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT				NOT APPLICABLE						
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
R. J. Hess/Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

R. J. Hess
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 503 | 464-8521
 DATE: 90 | 10 | 12
 AREA CODE | NUMBER | YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 PRIOR TO MIXING WITH OTHER WASTE STREAMS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME PORTLAND GENERAL ELECTRIC CO
 ADDRESS 121 SW SALMON STREET
PORTLAND OR 97204

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

F - FINAL
 NEUTRALIZING TANK EFFLUENT

Form Approved
 OMB No. 2040-0004
 Approval Expires 6-30-91

DRO023451
 PERMIT NUMBER

005 A
 DISCHARGE NUMBER

FACILITY _____
 LOCATION _____
 ATTN: R. J. HESS, MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	09	01		90	09	30
	(20-27)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 05)

NOTE: Read instructions before completing this form.

PARAMETER (31-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (34-61)			QUALITY OR CONCENTRATION (38-63)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (54-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	2.3	4.6		*****	*****	*****		0	WEEKLY	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	15 300A AVG	50 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	*****	0.025		*****	*****	*****		0	DAILY	ESTIMA
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0.08 DAILY MX	MGD	*****	*****	*****	****		WEEKLY	ESTIM
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
R. J. Hess/Manager
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

R. J. Hess
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 503 464-8521
 AREA CODE NUMBER
 DATE
 90 10 12
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PRIOR TO MIXING WITH OTHER WASTE STREAMS.

JAME PORTLAND GENERAL ELECTRIC CO
 ADDRESS 121 SH SALMON STREET
 PORTLAND OR 97204

ATTN: R. J. HESS, MANAGER

OR0023451 PERMIT NUMBER
 006 A DISCHARGE NUMBER

F - FINAL OIL/WATER SEPARATOR EFFLUENT
 OMB No. 2040-0064
 Form Approved

MONITORING PERIOD
 FROM YEAR 90 MO 09 DAY 01
 YEAR 90 MO 09 DAY 30

MAJOR (SUBR 05)

NOTE: Read instructions before completing this form.

PARAMETER (13-17)	QUANTITY OR LOADING (14-15)			QUALITY OR CONCENTRATION (14-17)			NO. EX (16-17)	FREQUENCY OF ANALYSIS (18-19)	SAMPLE TYPE (19-20)
	AVERAGE (14-15)	MAXIMUM (14-15)	UNITS (14-15)	AVERAGE (16-17)	MINIMUM (16-17)	MAXIMUM (16-17)			
SOLIDS, TOTAL SUSPENDED	7.2	13.5		***	***	***	0	Twice/Month	GRAB
EFFLUENT GROSS VALUE	30DA AVG	DAILY MX	LBS/DY	***	***	***	0	Twice/Month	GRAB
OIL AND GREASE (SOXHLET EXTR.) TOT.	4.8	6.4		***	***	***	0	Twice/Month	GRAB
EFFLUENT GROSS VALUE	30DA AVG	DAILY MX	LBS/DY	***	***	***	0	Twice/Month	GRAB
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									

NAME/TITLE: R. J. HESS/Manager
 TYPED OR PRINTED
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER
 OFFICER OR AUTHORIZED AGENT
 TELEPHONE NUMBER: 503 464-8521
 DATE: YEAR 90 MO 10 DAY 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PRIOR TO MIXING WITH OTHER WASTE STREAMS

EMITTER NAME/ADDRESS (include facility name/location) if different
 NAME PORILAND AND GENERAL ELECTRIC CO
 ADDRESS 121 SW SALMON STREET
PORILAND OR 97204

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (17-19)
 F - FINAL
 MISC DRAINAGE, RECREATION TAKE
 OMB No. 2040-0004
 Farm Approved

007 A
 DISCHARGE NUMBER

MONITORING PERIOD
 FROM (20-21) (21-22) (22-23) (23-24) (24-25) (25-26) (26-27) (27-28) (28-29) (29-30) (30-31)
 YEAR MO DAY YEAR MO DAY
 90 09 01 TO 90 09 30

ACTIVITY
 LOCATION
 ATTN: R. J. HESS, MANAGER

MAJOR (SUBR 05)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	(3 Card Only) (46-52) QUANTITY OR LOADING			(4 Card Only) (33-43) QUANTITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE (46-52)	MAXIMUM (53-54)	UNITS (55-56)	MINIMUM (33-43)	AVERAGE (46-53)	MAXIMUM (54-61)			
PH	8.0-8.5	8.5-9.0	UNITS	7.31	7.31	UNITS	0	Once/Month	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	0.0-0.5	0.5-1.0	UNITS	6.0	9.0	SU	0	ONCE/MONTH	GRAB
00550 P 0 0 OIL AND GREASE (SOXHLET EXTR.) TOT. SEE COMMENTS BELOW	0.0-0.5	0.5-1.0	UNITS	0.0	1.4	MG/L	0	Once/Month	GRAB
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
SAMPLE MEASUREMENT	0.0-0.5	0.5-1.0	UNITS	0.0	0.0				
PERMIT REQUIREMENT	0.0-0.5	0.5-1.0	UNITS	0					

NAME PORTLAND GENERAL ELECTRIC CO

ADDRESS 121 SW SALMON STREET

PORTLAND OR 97204

CITY _____

LOCATION _____

ATTN: R. J. HESS, MANAGER

OR0023451

PERMIT NUMBER

008 A

DISCHARGE NUMBER

F - FINAL
DISCH. EMERG. OR SCHED. MAINT.

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	09	01		90	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 05)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (54-63)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.86	*****	8.46		0	Once/ DISCHG	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU	0	ONCE/ DISCHG	GRAB
SODIUM, TOTAL (AS NA)	SAMPLE MEASUREMENT	*****	*****		*****	*****	29		0	Once/ DISCHG	GRAB
00929 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	100	MG/L	0	ONCE/ DISCHG	GRAB
SULFATE, TOTAL (AS SO4)	SAMPLE MEASUREMENT	*****	*****		*****	*****	93		0	Once/ DISCHG	GRAB
00945 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	824	MG/L	0	ONCE/ DISCHG	GRAB
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.1		0	Once/ DISCHG	GRAB
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.1	MG/L	0	ONCE/ DISCHG	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R. J. Hess/Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

RJHess

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

503 464-8521

AREA CODE

DATE

90 10 / 2

YEAR MO DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PRIOR TO MIXING WITH OTHER WASTE STREAMS.