	John Arnquist, John Hodgson, Ron Devitt,	
ГО:	Ron Pine & Files	State of
		Washington
FROM:	Darrel Anderson	Department of
		Ecology
SUBJECT:	Richland STP	
DATE:	October 10, 1973	

On September 12, 1973, I conducted an efficiency survey at the City of Richland STP. Since there are two plants at the site, I chose to do II because the bulk of the sewage flows through it.

A definite odor problem exists and numerous complaints have been made.

Total solids reduction was 35%, total non-volatile solids was 20%, with COD at 75% and 5-day BOD at 74%. Fecal coliform did not reach past 1000/100ml.

DA:jmh

#### STP SURVEY REPORT FORM (EFFICIENCY STUDY)

	30 9		- 1					
City_ Richland,	Plant F	lant T	ype_Seco	ndary Po	pulatio	n27,00	Des	ign_Unk.
	11.00			26	rved		Cap	acity
Receiving Water Ya	kima Ri	ver v	ia ditc	h	_Engine	erCity	Enginee	er of Richland
Date Sept. 12,								
Comp. Sampling Free								
•		2/2 .	1042	(last 48	hours)	ns_Clea	ir-hot	
Sampling Alequot	1000 m	1.						
			PL	ANT OPERAT	ION			
Total Flow 288,00	0 MGD					A 61		
Max. (Flow) 2.5 G	PM Time	of Max	.1100-	1400 hrs	Min. ]	. 5	Time	of Min. 0830
Pre Cl <sub>2</sub> None		ay	Post	2 —	80	#/day		
			FI	ELD RESUL	TS			
		Tn	fluent	111002				
			LAUCHE				Effluent	
Determinations	Max.	Min.	Mean	Median	Max.	Min.	Mean	Median
Temp. °C	25.2	22.2	22.6	24.0	25.6	22.7	23.9	23.9
pH Conductivity	7.8	7.0	7.3	7.4	7.4			7.4
(umhos/cm)	Und	t o see i						
Settleable	To see the second	termi	nea	-	U	ndeter	mined	
Solids	10.0	1.0	6.3	8.0	1	Trace		
	-							
		TAROPA	TOBY DEC	ITTE ON C	n maren			
		LINU O REL	TURI RES	ULTS ON CO	MPOSITE	IN PPM		
	Inf	luent		Effluer	ıt	7	Reductio	on
Laboratory Number	72_22	E 2		ASSESSMENTS				
5-Day BOD	73-33			3354		-		
COD	28	-		€40			700	4
r.s.	47			311		-	79	
T.N.V.S.	24			194			35	
	The second second			100 pt - 4			26.13	

26

610

0

7.6

181

28 7.4 680

60

20

86

100

pН

N.V.S.S.

Turbidity

Conductivity

T.S.S.

### BACTERIOLOGICAL RESULTS

Na2S203 added to sample Before \_\_\_\_\_\_ sample was take min.

LAB #	SAMPLING TIME	COLONIES/100 MLS (MF)	C1 Residual 3 Mi		
			ppm	Windship bebe	
73-55	1000	1000	1.0	+2.0	
56	1100	1000	1.0	+2.0	
57	1515	1000	1.0	+2.0	
				-	

rator's Name_	Don Dean		Phone # 943-9161	
ments:		SERVICE AND A STREET OF STREET	was a suppression of the same	12
	lat	[4	ξ.	
		*		•
\$3				
1.6				*

#### STATE OF WASHINGTON

## DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

CRICINAL TO: COPIES TO:

•			Data	i Summe	RY			LAB	FILES
SUUTCE RICHLAND S	TP_	_				Çell	ected By_	D. A.	
Date Collected 9-12-23	·					Gcsl	Pre./0b		
Log Number: 73-	3354	57	55	56				, <u>-</u>	STORET
Sizion;	14F	GFF	1000	1	#FF ISIS				
pH	7.4	7.6		<u> </u>	<u> </u>				<u>004</u> 03
Turbidicy (JTV)	60	13		!	<u> </u>			<u> </u>	69070
Conductivity (umbos/cm)02250	680	610							00095
COD	287	61	<u> </u>			j			00340
BOD (5 day)	110	(vo	<u> </u>						00310
Total Coliform (Col./100ml)			<1000	(1000	(Lete			]	31504
Fedal Coliform (Col./100ml)	-	-	(Jeen	(1000	(1000			1	31616
NO3-N (Filtered)			, <u> </u>		Ì			i	30620
NO2-N (Filtered)									00615
NH3-N (Unfiltered)			ļ <u>.</u> .	ļ					00610
1. Kjeldehl-N (Untiltered)		<u> </u>							00625
O-POG-P (Filtered)	<u> </u>								_ 00671
Total PhosP (Unfiltered)							[ .	İ	00665
Total Solids	472	311		<u> </u>					00500
Total New Vol. Solida	245	194	<u> </u>						
Total Suspended Solids	181	26	1					].	00530
Total Sus. Non Vol. Sulids	28	0	<u> </u>						
	<u>.</u>							]	
<u>-</u>			•						
								T	
Note: All results are in a Convert those market	PH unl Vith	евы ot c <b>* t</b> c	herwis PPB (	е врес РРМ 🗶	1ffed. 10 <sup>3</sup> ) pt	ND is to	None Dece	ecced" o STORET	

Summary By (testa D. Roll Bace 9-24-73

Calularie

# \*\* SEWAGE TREATMENT PLANT OPERATION AND MAINTENANCE

POUR APPRIOVED NO. 45-P1527

	PRACTICE	S CUESTIONNAIRE		Terrania and	INITION COOK ( For Official Use
CHECK ONL		DATE OF AUDIT		PLANT DESCI	Only)
TIST AUDIT	IC-AUDIT	9-12-73	5		
and a law or too a law or him.		A. GEHERAL I			and the state of
1. PHOJECT (State, Number)		THE RESERVE AND ADDRESS.	SCORE OF PROJECT	new plant, addit	iuna, eic.j
PLANT LOCATION (City,	county)		DENTIFICATION OF		
RICHLAND !	BENTO	7_	City of	RICHLI	1/0 D
/			ULATION		
3A. THACTION OF AREA FO	PULATION	TH. PLANT DESIGN (PE	gulation equivalent)	DE PUNED	av PLANT (domestic)
whole	11.00	11 MGD		22	000 Approx
100		4. TYPE OF COL	LECTION SYSTEM		and the specialist
4 6.	a factorial and the factorial and the		WATER (infiltratio	A CONTRIBUTE	D BY SURFACE OR GROUND
COMBINED	SEPARATE	BOTH		Non	e .
S. YEAR CONTUNITY BEGAN	TENAGE	6-	YEAR PRESENT SYST	EM PLACED IN	CREPATION
THEATMENT!	II 2	6A. SEWER	6 D.	PLANT	SC. ANCILLARY WORKS
1943 (-	1998)	1998	3 /5/	78	1998
TA. SIZE OF FLANT SITE TA	cress		TO APPROXIMATE A	REA LEFT FOR	EXPANSION (ecres) .
	10		2	2	The second
A. THE SPACE PROVISI	D VELOA FURNIS	A & SIMPLIFIED FLOR	DIAGRAM OH A BRITTI	CN OF SCHIPTIO	THE PLANT UNITS IN
				11.4	•
	5.4		- 54		
12.7					
				53	
					The second secon
BB. NOTE ANY SIGNIFICAS	T OR UNIQUE PRO	CESSING CONDITIONS.			
100					
		9. RECEN	VING STREAM		
DA. NAME OF STREAM	in and the second	Dines	with walling	0.0	
	Um 849	RIVER -	V14 7/48-4800	I Produce and	TATE ZHITHASTATE
SH. STREAM FLOW IS		less		Therens	
F PERENNIAL .	LINTERMITTENT	NATURAL	REGULATED	COAST	
		ERFORMANCE AND PL		AT ON	FLOW MATE (C. (d)
IA. ANNUAL AVEAAGE DA	ILY FLOW HATE		LOW EATE (MID)	TC, MILLOU	
2.5 - 3.0	40 × 0	DRY WEATHER	FRHTARA TEN	-	
				E 3 01 E 3 01 E 3	OF HANSENSO (ml. i)
2. AVEHAGE 200 OF RAN	SCHASE S DAY ?	( C) ((m))	J. AVERAGE SCITE	10	Part 3 1 -15
	7 3 Wee			10	SE HAN SCANS THUN 1-V WIT
4. AVERAGE SUSPENDED	STLIDS OF BAN ST	HASE INC. II	S. AVERAGE COUP	SHIT DENSITY	er-market and statement of the control of the contr

5. ANNIAL AVERAGE PLANT BELLOT ON

6A. 053 (5)

74. DOLS PLANT HAVE STANDEN POWER GENERATOR	78. ADEQUATE ALA	MISYSTEM FOR	No.
ALL CHLOSTITATION FACILITIES PROVIDED! LYCE LI NO	THE SAME OF THE PROPERTY.	with the second	ION
AND EAST AMERICAN PROPERTY AND CONTROL OF AN ARCH.		*	
53		12 1	
2.65			
A PUHPOSE OF CHLORINATION			
DESINFECTION			
· · · · · · · · · · · · · · · · · · ·			_
OR TYPE OF CHLORINATOR WALLACE & TIERINA	"V"	wtch	
BC. POINT OF APPLICATION OF CHLORINE Chamber	ND. CAN BYPASSED	SEWASE DE CHLORINATED!	
		ES TNO	
AFTER SECONDARY CLARIFIER - IN CON	AF. CHLORINE RESID	DUAL IN EFFLUENT	
180	7,0 SOMETE		
CG. MINIMUM SUPPLY OF CHLORINE STORED ON PREMISES (16)	1		
3 agranders		ougus and sales - and a	
8. ARE FACILITIES PROVIDED FOR COMPLETE BYPASS OF RAN SE	HAGE*		
THES NO IF YES, ANSWER A THE		IN EITHER CASE	
PA. FREQUENCY (hmes monthly) 18. AVERAGE DURAN		SC. HEASON FOR BYPASSING	
· NEW /LONE		None	
BD. ESTIMATED FLOW HATE DURING BYPASS 13	DE: DOES SEWAGE D	VERFLOW IN DRY WEATHER"	
KITHIN HYDRAULIC CAPACITY OF PLANT WINED.	TYES E	THO	
BEYOND HYDRAULIC CAPACITY OF PLANT BY			_
OF, TYPE OF DIVERSION STRUCTURE	SG. AGENCIES NOTI	FIED OF BYPASS ACTION	
UALUE  SH. DO OPERATORS HAVE DITION TO BYPASS INDIVIDUAL PLANT			_
10A. ARE BACK FLOW DEVICES PROVIDED AT ALL CONNECTIONS	TO CITY WATER SUPP	LY+ (II no, exp(+in)	_
Terres ( ) NO one - Digester.			
10B. CHECK TYPE OF BACK FLOW PREVENTION DEVICE			
DOUBLE CHECK VALVE PRESSURE OPERATED	PHYSICAL DISCO	NNECT OTHER(specify)	
11. USES OF TREATMENT PLANT EFFLUENT			
NONE			
			_
12. USES OF RECEIVING STREAM NITHIN 10 MILES OF OUTFALL SMOTT FISHING - IVERGATION	ATOR Sking - 3	twining	
**************************************			_
12. HAVE THERE SEEN ANY ODOR COMPLAINTS BEYOND THE PL	ANT PROPERTY? (If ye	z, explainj	
LOPYES LINO			
NA CONTRACT APPEARANCE AND COMPUTION OF EFFLUENT. HE	CEIVING STREAM, OR C	SHAINAGE WAY	
14. DESERVED APPEARANCE AND CONDITION OF EFFLUENT, HE	CEIVING STREAM, OF C		
14. OUSERVED APPEARANCE AND CONDITION OF EFFLUENT, RE	CEIVING STREAM, OF C	HAINAGE WAY	
14. DESERVED APPEARANCE AND CONDITION OF EFFLUENT, RE	CEIVING STREAM, OR C		
14. DESERVED APPEARANCE AND CONDITION OF EFFLUENT, RE	CEIVING STREAM, OR C		
14. DESERVED APPEARANCE AND CONDITION OF EFFLUENT, RE	CEIVING STREAM, OR C		
•	CEIVING STREAM, OF C		
TH. DESCRIVED APPEARANCE AND CONDITION OF EFFLUENT, HE  *  FWPCA-12 (Rev. 4-63) (Page 7)	+		
•	+	143	

155 \$3 AURLIZATION (1595)	
A. WILLDS CUT AND VEGLTATIVE CHONTH IN PONDS LEMINATED!	
[ ] ves [] no	TYES NO
AND IN GOOD PHE ANT YES NO	D. PREQUENCY OF INSPECTION BY OPERATOR
E. WATER DEPTH (feet)	
HIGHLOW	MEDIUM
F. ADEQUATE CONTHOL OF DEPTH!	G. SCEPAGE REPORTED
TYES TO NO	YES NO
IL ANY REPORTS OF DISCURD WATER CONTAMINATION FROM PON	or (If you, give victoria)?
YES NO	
MOTOUSED BALEDING IF YES, NAME OF SPECIES IF	J. CAN SURFACE RUN-OFF ENTER POND!
PROMEM TYES THO	TYES TINO
C. SUPERVISOR)	The state of the s
1. IS A CONSULTING ENGINEER RETAINED OR AVAILABLE FOR CO	
THE REPORT OF THE PROPERTY HET AIMED ON AVAILABLE FOR CO	MINE IN THE ON OF CHATTAU AND MAIN TENANCE PRODUCES
YES NO IF YES IS IT ON: CONTINUING	BASIS OR UPON REQUEST BASIS
IF CONTINUING DASIS, WHAT IS THE PREQUENCY OF VISITS:	
	THE PRINCE APPEAR OF THE PRINCE APPEARED
. DO OPERATORS AND OTHER PERSONNEL ROUTINELY ATTENDS	SHORT COURSES, SCHOOLS ON OTHER THAINING ACTIVITIES
YES NO	
	T255172001 FF
IF YES, CITE COURSE SPONSOR AND DATE OF LAST COURSE	ATTENDED
IF NO, DO YOU KNOW OF ANY COURSES AVAILABLE TO SERV	E THIS AREA!
IF NO. DO YOU KNOW OF ANY COURSES AVAILABLE TO SERV	E THIS AREAT
	TILL IN OPERATIONS
IF NO. DO YOU KNOW OF ANY COURSES AVAILABLE TO SERV  3A. ARE ALL EQUIPMENT AND PARTS OF THE PRESENT PLANT S  B. ARE PROCESSING UNITS OPERATING AT DESIGN EFFICIENCY?	TILL IN OPERATION! VES 'NO (II no, explain)
3A. ARE ALL EQUIPMENT AND PARTS OF THE PRESENT PLANT S	TILL IN OPERATION! VES 'NO (II no, explain)
3A. ARE ALL EQUIPMENT AND PARTS OF THE PRESENT PLANT S	TILL IN OPERATION! VES 'NO (II no, explain)
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B. ARE PROCESSING UNITS OPERATING AT DESIGN EFFICIENCYS  A. HAVE THERE BEEN ANY DIFFICULTIES WITH THE SEWAGE THE  A. STRUCTURAL YES NO (If yes, explain)  B. MECHANICAL YES NO (If yes, explain)	ANGES WOULD YOU RECOMMEND TO HAPHOVE OPERATION
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B. ARE PROCESSING UNITS OPERATING AT DESIGN EFFICIENCYS  A. HAVE THERE BEEN ANY DIFFICULTIES WITH THE SEWAGE THE  A. STRUCTURAL YES NO (II yes explain)  B. MECHANICAL YES NO (II yes, explain)  C. OPERATIONAL YES NO (II yes, explain)  D. BASED ON OPERATING EXPERIENCE TO DATE WHAT IF ANYCH OF THE PLANT!	ANGES WOULD YOU RECOMMEND TO MAPHOVE OPERATION

* *	_ NO	TO WHOM HEALTH DEPT.										
	-	SLUDGE	CHEMICALS		GRI1	75.5-1300-21	COST	AIR	MAIN-	G		
FREQUENCY REATHER	FLOW	HANDLED	USED	HGESTEN	HANDLED	USED	DATA	AIR MAIN- USED TEHANCE  LLY  DISTRICL CHARTS GRA  MICALLY!  DEPLANT!  OF PLANT!  OF PLANT!  TEMISTICS OF INDUSTRIAL WAST  TEMISTICS OF INDUSTRIAL  THER METHODS (Jessenbe)  THER METHODS (Jessenbe)  THER METHODS (Jessenbe)  TECORD'S AND RECORT'S  CHOR' "F")	OTHER			
DAILY	-	-		V						- Asserte		
WEEKLY	SCATHER FLOW SLUDGE CHEMICALS INCIDENT ELEC. COST AIR MAIN- SCATHER FLOW SANDLED USED USED CHEMICALS INCIDENT ELEC. COST AIR MAIN- SCATHER FLOW SANDLED USED OF THANDLED USED OATA USED TENANCE  SCATHER FLOW SANDLED USED OATA USED TENANCE  INTO AT ALL BONLED WEEKLY MORTHLY ARRUALLY  ANNED CHECK FORM OF RECORD RELOW:  SCOUNTS AND ARSHEET SEPARATE BY OPERATION CONTROL CHARITS GRANTH PROVIDED THAN SHEET AND TYPE OF PLANT!  YES WHO GOOD TABULAR SHEET SEPARATE BY OPERATION CONTROL CHARITS GRANTH PROVIDED THAN SHEET AND TYPE OF PLANT!  YES WHO (If no, explain)  OF THE COUNTY COUNTS AND ARSHEET SEPARATE BY OPERATION TYPE OF PLANT!  OF MOUSTRIAL WASTES (PRODUCTION AND CHARGE OF INDUSTRIAL RASTES (PRODUCTION AND CHARGE OF INDUSTRIAL RASTE O											
MONTHLY				V								
ANNUALLY												
IF MAINTAINED CHECK	FORM OF	TABULI ORY EQUIP UATE FOR explains	AR SHEET MENT, DAGE THE CONTR	WEEKLY SEPA ES AND MET OL REQUIR	MONTH RATE BY OF ERS ARE CA	ERATION LIBRATED	CONTR	POL CHART				
			0000	676				7. 		y "		
B. INDUSTRIAL KASTES C	CIPAL SYST	EMI	A. NUMBER AND TYPES OF INDUSTRIES DISCHARGING TO SYSTEMS									
	100	D) OF INDU	STRIAL WAS	YES (pe)	C. POPULA	THON EQUIT	ALENT (55)	OF INDUS	TRIAL WAST	1.5 (pe)		
		5 (mgd)			E. COMPOSI			HISTICS OF	INDUSTRIAL	MASTEA		
				ASTE (Papin	nj							
		2000										
	2017/2017		44									
9A. METHOD OR METHOD  NO CHARGE CHARGED B  COMMENT ON HOW CH	S USED TO BY CITY ASED ON I	PRO	DUSTRIAL W	WASTE TRE	ATMENT COS ER USE ASS ARGE BASED Cale, etc.)	T (check ap ESSMENT ON SS	CHAR	GE BASED				
SA. METHOD OR METHOD  NO CHARGE CHARGED B  COMMENT ON HOW CH	S USED TO BY CITY ASED ON I	PRO PRO CE IN EFF	DUSTRIAL W PERTY TAX D (fixed charge	WATE TREE	TMENT COS FER USE ASS ARGE BASED cale, etc.)	T (check ap ESSMENT ON SS	CHAR	GE BASED				
SA. METHOD OF METHOD  NO CHARGED B COMMENT ON HOW CH  ON HOUSTRIAL WASTE  ON WHO PROVIDED INITIA  II. IS A MANUAL OF PRACE  II. YES  Z. ESTIMATE OF MAN-HO	S USED TO BY CITY ASED ON HARGE IS LINSTHU ETICE OR NO PER	PRODECT E	DUSTRIAL WE PERTY TAX  D (Fixed charge  ECT AND EN  HE OPERATION  ONS AVAILA  OTE OTO A  S Z	WATE THE	THENT COS  FER USE ASS  ARGE BASED  Cale, etc.)  YES  PLANT!  FYES, 6110  STEUL  HORK AND	T (check apples) ESSMENT ON SS  NO WHOTE AN	CHAR CHAR OTHE	GE BASED R METHOD	S (describe)	Inc		
SA. METHOD OR METHOD  NO CHARGED B  COMMENT ON HOW CH  ID. 15 INCUSTRIAL WASTE  WHO PHOVIDED INITIA  1. 15 A MANUAL OF PRACE  TIVES  2. ESTIMATE OF MANI-HO  D.	S USED TO BY CITY ASED ON HARGE IS LINSTHU ETICE OR NO PER	PROBOD COLLECTE CE IN EFF CTION IN 1 INSTRUCTION WEEK DEVI	DUSTRIAL W PERTY TAX  D (lixed charge  ECT AND EN HE OPERATI  ONS AVAILA  OTED TO LA  S Z  Annual Arro	SELET SHE	THENT COS  FR USE ASSEN  FROM HELD  FYES  FYES  MORK AND  MOST FROM	T (check apples) ESSMENT ON SS  NO WHOTE AN FALLET ENAM Volume Report	CHAR CHAR OTHE	DITT	S (describe)			
SA. METHOD OF METHOD  NO CHARGE  CHARGED B  COMMENT ON HOW CH  ID. 15 INCUSTRIAL WASTE  ID. WHO PROVIDED INITIA  IT I YES  IT I YES  JOB CATEGORY	S USED TO BY CITY ASED ON HARGE IS LINSTHU ETICE OR NO PER	PROBOD COLLECTE CE IN EFF CTION IN 1 INSTRUCTION WEEK DEVI	DUSTRIAL W PERTY TAX  D (lixed charge  ECT AND EN HE OPERATI  ONS AVAILA  OTED TO LA  S Z  Annual Arro	WATE TREATED AND AND AND AND AND AND AND AND AND AN	THENT COS  FER USE ASS  RIGE BASED  Cala, etc.)  YES  PLANT!  F YES, WHO  STEUL  AORK AND  MOST RECENT  TOTAL  FOR CENT	T (check apples) ESSMENT ON SS  NO WHOTE AN PAINTENAN Vest Report	D PROVIDE  HOMPS  CHAR  OTHE	DITT  PIECO	S (describe)	Truc		
SA. METHOD OR METHOD  NO CHARGED B COMMENT ON HOW CH  ID. 15 INCUSTRIAL WAST!  O. WHO PHOVIDED INITIA  II. 15 A MANUAL OF PRACE  TO YES  Z. ESTIMATE OF MANI-HO  D.	SUSED TO BY CITY ASED ON HARGE IS LORDINAN LINSTRU TICE OR NO PRO	PROBOD COLLECTE CE IN EFF CTION IN 1 INSTRUCTION WEEK DEVI	DUSTRIAL W PERTY TAX  D (lixed charge  ECT AND EN HE OPERATI  ONS AVAILA  OTED TO LA  S Z  Annual Arro	WATE TREATED AND AND AND AND AND AND AND AND AND AN	THENT COS  FER USE ASS  RIGE BASED  Cala, etc.)  YES  PLANT!  F YES, WHO  STEUL  AORK AND  MOST RECENT  TOTAL  FOR CENT	T (check apples) ESSMENT ON SS  NO WHOTE AN PAINTENAN Vest Report	D PROVIDE  HOMPS  CHAR  OTHE	DITT  PIECO	S (describe)			
SA. METHOD OF METHOD  NO CHARGE  CHARGED B  COMMENT ON HOW CH  ID. 15 INCUSTRIAL WASTE  ID. WHO PROVIDED INSTITA  IT IVES  IT IVES  JOB CATEGORY  1. SUPERINTENDENT  2. CRESTINATE OF MANI-HO  JOB CATEGORY  1. SUPERINTENDENT  2. CRESTINATE OF MANI-HO  3. LATORATORY TECHNIC	SUSED TO BY CITY ASED ON HARGE IS LORDINAN LINSTRU TICE OR NO PRO TYPE PER	PROBOD COLLECTE CE IN EFF CTION IN 1 INSTRUCTION WEEK DEVI	DUSTRIAL W PERTY TAX  D (lixed charge  ECT AND EN HE OPERATI  ONS AVAILA  OTED TO LA  S Z  Annual Arro	WATE TREATED AND AND AND AND AND AND AND AND AND AN	THENT COS  FER USE ASS  RIGE BASED  Cala, etc.)  YES  PLANT!  F YES, WHO  STEUL  AORK AND  MOST RECENT  TOTAL  FOR CENT	T (check apples) ESSMENT ON SS  NO WHOTE AN PAINTENAN Vest Report	D PROVIDE  HOMPS  CHAR  OTHE	DITT  PIECO	S (describe)			

		4.7		
			STR	

Enter test codes opposite appropriate items. If any of the below tests are used to monitor industrial wastes place an "X" in addition to the test code.

FWPCA-12 (Cev. 4-61) (Page 5)

2 - 4, 5 or 0 per week	4 ns	requires			1 per month	4 - Semi-Annu SLUDGE				
ITEM	RAW	PRIM	ARY UENT	MIXED	FINAL	RAW	-	PER-	DIGESTOR	RECEIVING STREAM
. voD	3	3	,		3					
Z. SUSPENDED SOLIDS	3	1 3	3		3					
SETTLEAGLE SOLIDS	2	100	2		3					
L SUSPENDED VOLATILE	6		6		4		33			
S. DISSOLVED OXYGEN	2		2	/	2					
E. TOTAL SOLIDS						5		6	5	
7. VOLATILE SOLIDS						5		6	5	
8. pH	2		1		2	3	- 1	2	2	
9. TEMPERATURE	2					3		2		
10. COLIFORM DENSITY						11				
11. RESIDUAL CHLORINE										3
12. VOLATILE ACIDS								5	5	
13, M. D. STABILITY										
14. ALKALINITY								5	5	
15.								15		
16.										
17.		fil.								
16.						# 0				
19.					///					
		F. OPE	RATIO:	AND MAIL	TENANCE COS	T FOR PLAN	r .			Service III
VEAR OF OPERATION	SAL ARIES	WAGES	ELEC	TRICITY	CHEMICALS	MAINTEN	ANCE	OTHE	R ITEMS	TOTAL
MOST CURRENT YEAR 19	1									-1970-1770
PRIOR YEAR 19								-		
PRIOR YEAR 19										
PRIOR YEAR 19										
EVALUATION PERF	OFUED 6Y				TITLE				ORGANIZAT	rion
DARKEL L. ANDE	18491		E	NUIRO	7ECH_	II		0.0	1. F.	
		-			- T - N			-		
INFORMATION FUR	Va Caven			Ti	TLE		0#	GANIZAT	non	DATE
Acte REIL			LAB	0,04700	4 apres	Ci	40	F clu	Chlano	9-12-7
DON DEAN					012 - STA	4	.,		,	9-12-2
- Grant Control	-111200-02								1-511/0/2	

	G. HOTATIO	HS BY EVALUATOR			
1. ADDITIONAL HEMAI	1965 (II romarka teler hr a purticular irens, iden	tily by minibers		- 1	
- 10.50					
	SECURITY-VERY POOR				
2. GEALBAL COMMEN	TS ON HOUSEKEEPING AND MAINTENANCE				
	very good				
	· 0			+	
3. REQUIREMENTS OF	HIGHER AUTHORITY				-21.01
3A, DOES THE P	LANT PHOVIDE THE DEGREE OF TREATHE	INT PRESENTLY REQU	HED BY THE ST	ATE! (II no, expl	ninj
YES	NO NO				
		7			
			17.		
38. ARE THESE UPGRADING	ANY PENDING ACTIONS rentorcament confere OF TREATMENT BY THIS PLANT?	ences, change in water q	uelity standards,	ere.) THAT WOUL	LD REQUIRE
T YES	NO (II yes, esplain)				
					55
	STATE INSPECTIONS OF PRESENT PLANT	22.270.0 %			