









SSWC

# Monthly Operating Report

January:2024

So. Sangamon
Water Commission
February 20th, 2024

# **TABLE OF CONTENTS**

SEC	CTION		PAGE NO.
Exe	ecutive	Summary	ES-1
1.	SAFE	TY	1-1
	1.1 1.2 1.3 1.4	Safety Training Lost time Accidents Safety Audit Miscellaneous Safety	1-1 1-1
2.	COMP	PLIANCE, FLOWS AND LOADINGS	2-2
	2.1 2.2 2.3 2.4	Compliance	2-2 2-2
3.	OPER	ATIONS	3-1
	3.1 3.2 3.3 3.4	Events impacting operations  Emergency & Service calls  Emergency Call-outs  Customer Inquiries	3-1 3-1
4.	MAIN	TENANCE AND REPAIR	4-9
	4.1 4.2	Preventative and predictive maintenance  Corrective repairs	4-9
5.	PROJ	ECT MANAGEMENT & SUPPORT	5-1
	5.1 5.2 5.3	Staffing & Training Corporate Support Budget	5.2
6.	CAPIT	TAL PLANNING	6-1
	6.1 6.2	Approved CIP Projects Current status  Draft Capital Improvement Plan	

# **LIST OF TABLES**

TABLE	PAGE NO.
Table 2.2 Influent Concentrations and Flow	
Table 2.3 Finished Water Quality	2-2
Table 2.4 Weekly Grab Sample Analysis Results	2-4
Table 4.1 Budget Table	5-3

#### **EXECUTIVE SUMMARY**

**Safety.** Safety is the number one priority at South Sangamon. We have instituted a monthly safety meeting for operations staff at the plant. There were no lost time accidents in the month of January 2024.

**Compliance.** The finished water quality was within regulatory limits and all reporting and sampling requirements were met for the month. A copy of the Operations Report submitted to the Illinois Environmental Protection Agency is available at <a href="www.sswc.us">www.sswc.us</a>

During the month of January 2024, the plant pumped 42.886 million gallons from the well field and 38.553 million gallons of finished water. This is 4.3 million gallons less than January 2023.

The SSWC plant has been removed from Critical Review status.

**Operations.** There was 0 emergency call-outs for the month. There were numerous customer inquiry for the month.

**Maintenance and Repair.** For the month of January 2024, there were 31 inspections, 3 preventative and multiple corrective maintenance activity completed. There was 1 repair activities performed.

**Budget.** Passed at April 17<sup>th</sup> 2023 meeting.

Capital Planning.

Chatham emergency interconnect

Onsite fuel storage tanks

**Detention Tank** 

Well #11

# 1. SAFETY

#### 1.1 SAFETY TRAINING

At South Sangamon we strive to provide a safe working environment for all employees. This is accomplished with daily safety meetings and open communication.

#### 1.2 LOST TIME ACCIDENTS

There were 0 lost time accidents in the month of January 2024.

# 1.3 SAFETY AUDIT

No safety audits to date.

# 1.4 MISCELLANEOUS SAFETY

No notable safety issues

# 2. COMPLIANCE, FLOWS AND LOADINGS

#### 2.1 COMPLIANCE

The finished water quality was within regulatory limits and all Bacteriological testing was completed for the month of January. A copy of the Operations Report to the Illinois Environmental Protection Agency (IEPA) is available on the SSWC website.

#### 2.2 INFLUENT FLOWS AND LOADINGS

The total gallons pumped from the well field were 42.886 MG. The influent parameters were all within the normal range.

The influent flow and loadings are summarized below in Table 2.2

		Tab	le 2.2 Infl	uent Conce	entrations a	and Flow		
	рН	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Well Flow Gals (MGD).
Max.	7.3	15.3	5.64	.842	ı	400	320	1.760
Min.	6.9	12.5	.24	.179	1	140	282	1.10
Avg.	7.2	13.7	1.01	.274	1	349	306	1.383
Total	-	-	-	-	-	-	-	42.886

#### 2.3 EFFLUENT CONCENTRATIONS

The facility filtered 38.553~MG during the month with a daily average of 1.244~MG and a min/max .910/1.563~MG.

				Table	2.3 Fir	nished Wat	er Qualit	у		
	Free CL2	Total CL2	рН	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate
Max.	.17	3.74	8.0		0.02	0.072	1.00	210	322	1.92
Min.	0.04	2.44	7.3		0.01	0.003	0.53	100	290	.92
Avg.	0.06	3.35	7.7		0.01	0.032	0.74	130	304	1.68
MCL	-	-	-	-	1.00	-	4.00	-	-	-
SMCL	-	-	-	-	0.30	0.050	2.00	-	-	-

# Finished Water Flow Comparison for FY 2022-23

Time Period	23-24	22-23	21-22
Feb 2023- Jan 2024	421,469,532	415,813,951	418,740,397
Increase for the same per	iod last year	5.66 MG	-2.9 MG

		FINISHED WA	TER PUMPIN	G HISTORY		
	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19
Feb	33,481,076	32,451,653	30,638,842	28,797,693	28,625,431	25,617,914
Mar	36,781,261	33,909,417	33,633,244	30,339,298	31,237,000	28,217,699
Apr	36,832,617	31,991,050	33,214,211	31,542,650	28,418,249	27,110,578
May	43,484,155	37,459,417	35,932,776	34,673,848	33,045,927	33,304,196
June	22,455,176	38,496,145	37,616,256	17,414,377	33,460,303	34,040,000
July	41,565,811	38,861,790	39,001,640	44,237,066	23,742,374	41,178,722
Aug	39,770,720	36,977,913	39,953,900	39,638,063	25,018,633	35,176,238
Sept	38,677,420	32,355,302	38,935,839	38,674,095	34,234,782	34,754,000
Oct	32,733,224	29,576,287	34,918,955	34,597,739	30,769,238	30,353,482
Nov	30,061,570	35,563,717	31,181,005	32,325,040	30,877,400	30,464,000
Dec	31,818,986	30,450,255	31,391,459	31,582,311	29,703,954	31,930,000
Jan	33,807,516	37,721,005	32,322,270	31,456,987	30,073,516	28,823,375
Totals	421,469,532	415,813,951	418,740,397	395,279,167	359,206,807	380,970,204
Avg	1.15 MGD	1.14 MGD	1.15 MGD	1.08 MGD	.981 MGD	1.04 MGD

# 2.4 LAGOON DISCHARGE CONCENTRATIONS

The results for the NPDES lagoon discharge permit are summarized below.

**Table 2.4 Weekly Grab Sample Analysis Results** 

	I	Lagoon Eff	luent Results	3		
Date	Fe (mg/l)	Mn (mg/l)	Chloride (mg/l)	Cl <sup>2</sup> (mg/l)	pH (S.U.)	TSS (mg/l)
January 10 <sup>th</sup> , 2024						
Minimum	.07	.338	486.5	.02	8.0	<4
Maximum	.07	.338	486.5	.02	8.0	<4
Average	.07	.338	486.5	.02	8.0	<4
Monthly Avg Limit	2.000	1.000				15
Daily Limit	4.000	2.000	500	0.05	6.0-9.0	30

The Chloride sample for the month, performed by the Springfield Metropolitan Sanitary District, was below 30,000 mg/l for the month of January 2024. The limit for chloride discharge to the sanitary district is 30,000 mg/L.

# 3. OPERATIONS

#### 3.1 EVENTS IMPACTING OPERATIONS

There were over 50 incident that impacted the operation of the plant.

Ion exchange alarm

Westech filters comm loss

Power surge

Power Sag

**Power Outages** 

Ion Exchange Brine Pump

Well Comm loss

Generator Faults

#### 3.2 EMERGENCY & SERVICE CALLS

#### **Service Calls:**

• There was 0 emergency call out for the month.

#### 3.3 EMERGENCY CALL-OUTS

There was 0 emergency call out for the month.

#### 3.4 CUSTOMER INQUIRIE

There were numerous customer inquiries.

#### OTHER WORK PERFORMED

Inspected distribution mains
Inspected booster station
Customer service
Air Compressor Mounting Platform
SCADA programming
Cell Transmitter Installation
Tractor Maintenance
New scada computers
Booster Station Comms Repair





Softener #3 valve quit functioning correctly.



Softener valve manual operator stripped out causing it to quit functioning



Kevin order replacement actuators. We were shipped actuator that were to large, We are currently waiting for the replacement actuators .



Brotke in the well field pulling well #1





# 4. MAINTENANCE AND REPAIR

#### 4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

For the month of January 2024, there were 31 inspections, 3 preventative and multiple corrective maintenance activities completed.

#### 4.2 CORRECTIVE REPAIR AND MAINTENANCE

Pulling and cleaning pre filters on all 3 filter trains on weekly basis

CIP train 1,2 and 3

Purged air control system

Air Compressor service

Raw water line flushing

Detention tank flush

Flushing Air Lines

Maintenance of New Berlin Booster Station

Meter Transmitter Replacement

Air compressor Repair

Pneumatic Tank Repair

Well #1 comm loss repair



# 5. PROJECT MANAGEMENT & SUPPORT

#### 5.1 STAFFING & TRAINING

- Staff member training has been continuous and ongoing.
- Operator and Asst. Operator have been studying for EPA licensing test.

# 5.2 OPERATIONAL SUPPORT

The following individuals, either on-site or remotely, provided assistance in operation and/or maintenance of the plant during the month of January 2024.

- Kevin Canham
- Stephen Bivin
- Katie Krall
- Dan (SCADAware)
- Joe Lee Electric
- Kevin Garmin (SCADAware)



# 5.3 BUDGET

Table 5.3 Operating Budget

# Table 5.3 Budget Table

Budget Table was removed: see clerks report

#### 6. CAPITAL PLANNING

#### 6.1 APPROVED CIP PROJECTS CURRENT STATUS

Pigging project construction complete. Awaiting first pigging before completely releasing contractor.

The Chatham /South Sangamon emergency interconnect is progressing. Water and comm line conduit has been bored in.

Meter Project progressing, All meter bases and registers are on site. 31 cell meters have been installed.

Meco Engineering has provided us with initial plans for well #11. Well #11 construction permit has been approved and has been received at the plant. Flood Plain Permit has been received and is posted.

#### 6.2 DRAFT CAPITAL IMPROVEMENT PLAN

The CIP is a planning document that includes all projects anticipated to exceed \$5,000 in cost over the next five years. The CIP is an ongoing process and will be refined from time to time as projects are completed and new issues are identified.

- 1. Onsite fuel storage tanks have arrived on site and pumps have been installed-completed
- 2. BOP CPU upgrade has been completed
- 3. Second raw water detention tank
- 4. SSWC/Chatham interconnect
- 5. Well #11



ILLIŅ DIVIS	OIS EN	ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES	WATER WATER	ROTEC	TION AG	ENC																									
												55	30 uth	South Sangamon Water Commission - IL 1670080	on W	ter Con	nmissio	n - IL16	70080	-											
															Jan	January 2024	024													0,000	ç
														Physical and Chemical Tests	ğ	mical Te	sts												Membrane Integrity	ane Int	grity
			Raw			H	Pre	Pre UF Membrane	rane	<u> </u>	Post UF Membrane	mbrane	L	Post IEX								Finished							8	Post Filter	
				Total	Total Total	-	Turbidity To	Total Total	al Soluble		al Total	1 Turbidity	ıt)	2 3	4	Tur	Turbidity Total	al Total		al Total		Fluoride Ortho	Free	Mono-		Chl	Chlorine				
Date	된			-	-	$\overline{}$		-		-	$\vdash$			Chic		五			-	-	$\vdash$	<u>~</u>	₹	ಕ		_	qusiQ	Distrbution			
		deg. C	mg/L mg	_	mg/L mg/L	-	E R	mg/L mg/L	/L mg/L	a/L mg/L	J/L mg/L	Ē.	mg/L	mg/L mg/L	mg/L	2	NTU mg/L	J/L mg/L	L mg/L	L mg/L	- mg/L	шâуГ	/bm	l/gm	l/gm	mg/L	H low	_ low	Bank 1	Bank 2	Bank 3
-	7 20	13.9	310	370	0.36	0.179	+	18	- 1	0.038	0.01	32 0.32	2		T	7.60	030		120	0.01	0.015 0.76	168		0.01	0.05	3.10		J.S.	Ē.	Ē.	<u>s</u>
- ^	7.20		300	360		0.206	+	5   6					1 %	l	Ţ									0.28 3.47							Dass
3 8	7.20		310	375		0.229	H	ő	0.484 0.				32		Ĺ	7.80														pass	
4	7.20		300	362		0.272		0.					36			7.70													bass		
2	7.20	13.8	300	400		0.210		.0		0.051	0.01 0.053	53 0.34	34			7.80	0.28		110 0	0.01 0.003	03 0.74			0.01 4.00	0.05	3.54					
9	7.10	13.9	320	380		0.218		0					31			7.70															
7	7.20		316	374	0 99:0	0.270	+	0					53		1	7.70		322						0.05 3.88							
∞ '	7.20		300	330		0.260	+	0					32																		
თ :	7.20		300	375		0.238	+	0 3		Ш			45 :																		
9	7.30		310	380		0.259	+	0,			_		99			7.70															bass
= :	7.20		310	375		0.240	+	o l					32		1	7.70															
12	7.10		310	380		0.243	+	0					ا و ا		$\downarrow$														bass	pass	
5 3	7.10		310	370		0.221	+	0   0					08 18		1																
± ,	7.00		010	nor	0.00	0.2.0	+	) i					8 7						0 071	0.030					90.0	0.20			Ì	Ì	
<u>υ</u> 6	7.30	13.0	310	360		0.229	+	o lo	0.331 0.	0.048	0.01 0.039	59 0.31	34	$\frac{1}{2}$	1	02.7	0.20	320			0.021 0.79	7 170		0.02 3.55							
; [	7.20		300	380	0.34 0	0.227	+	100					:   2	l					100						90.0						
: 8	7.20		300	380		0.224	t	70					30		İ																
19	7.20	13.2	310	370		0.216	$\vdash$	0.0		0.183	0.02 0.179	79 0.34	34							0.01 0.031	31 0.58				9 0.07						
20	7.20	13.8	320	362		0.219		.0			0.01 0.188	88 0.30	30							0.01 0.062						3.71					
21	7.10	14.1	308	348		0.222		.0			0.01 0.174	74 0.31	31							0.01 0.068	7.70 89				90:00						
22	7.10	13.2	300	360		0.242		.0					53																		
23	7.20		282	399		0.196	+	0.					8								50 0.82										
24	7.20		300	380		0.400	$\dashv$	0,					e 1		1	7.70		300						0.06 3.89							
55	7:30		310	370	5.64	0.474	+	0 3					45		$\downarrow$		0.32		130		0.059 0.83									bass	bass
7 7	01.7	13./	300	380	- 1	0.842	+	ò		0.096	0.01	63 0.44	4 0×		1					0.039		1.50		3.18	0.07	3.40			bass		
78	7 20		340	370		0.398		5 0					9 9																		
3 23	06.9		310	165		0.240		;   ð					32 23	ŀ																	
30	06:9		300	140		0.239		,0					33	L		7.40															
31	06.9		310	150		0.226		.0					34			7.40															
Ave.	7.15	13.7	306	349	1.01	0.274 #[	#DIV/0! #[	#DIV/0! 0.3	0.328 0.	0.095	0.04 0.109	09 0.33	33 ####	#### ####	#####	7.65	0:30		130 0	0.01 0.0	0.032 0.74	1.68		0.04 3.50	0.00	3.35	#DIV/0i	#DIV/0i	#DIV/0!	#DIV/0!	#DIV/0!
Max	7.30	15.3	320	400	5.64 0	0.842	0.00	0.00	0.623 0.	0.206	0.86 0.855	55 0.44	14 0	0	0	8.00	0.37	322 2	210 0	0.02 0.072	72 1.00			0.28 4.00	0.17	3.74	00'0	0.00	0.00	0.00	0.00
Min	6.90	12.5	282	140	0.24 0	0.179	0.00	0.00		8	0.01 0.029	29 0.28	28 0	0	0	7.30	0.26			0.01 0.003	03 0.53	13 0.92		0.01 2.9	8 0.04	2.44		00.00	0.00	0.00	0.00
	Lagoon	Lagoon Effluent Tests		표	Temp TC	TChlor	M	Fe Chloiride		TSS						Distribution 5	Distribution Stability Tests	Hd S	Temp	D TJS	3 Alkalinity	ty Calcium	Chloiride	e Sulfate	Remarks	::					
	Monthly		1	1	_	- 1	_	- 1	/L mg/L	ᅰ						Every Two Weeks	eeks		-	ε	-	mg/L as CaCO3	mg/L	mg/L	_	water mete	er went offli	The raw water meter went offline on January 17th. The 17th thru the	ny 17th. Ti	he 17th f	n the
	Date	1/10/2024	74	<u>∞</u>	9.3	0.02	0.338	0.07 486.	6.5 <4	$\neg$						Date	1/26/2024		7.5 1	15.4 4	450	270		51 5	23	24th 8	are estimat	24th are estimated raw water flow totals	r flow tota	Š.	
																Date															
				-			-									Date		-	$\dashv$	_	4				╛						

	ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PITRI IC WATER SUPPLIES	NVIRONI	MENTAL	PROTEC P SIIPPI II	TION AGI	ENCY					Σ	ONTHL	MONTHLY IRON REMOVAL AND ION EXCHANGE SOFTENING REPORT	MOVAL	ND ION	EXCHAN	IGE SOFI	ENING	REPORT											
					2							Sou	th Sang	amon	Water (	Sommis	ssion -	IL 1670	080											
Part													'	بي	anuary	2024														
																													Page 1	of 2
			ď	umping To	tals							Cher	nicals App	jed							UFFI	ers		-	F	So	fteners			
The continue of the continue			Down			0000		odium anganate			Sodiu Hypochk		Ammoniun Sulfate		rosilicic Acid	Phosp		Sodiun isulfite P	puo,	Hours s	ince prev	rious	Moch	Wother		Associate Associate	o letel ateal	jo sodu	Regen	eration
Mail	Time	_	+	+	_				Amî		Am't	1	tm'	Amî		Am't		Am't		š	ICV # 433			Softened B		ours since r	revious reg	neration.	Salt	Washed
No.						gePumpa				-				-	-	Nsed	-	_	alc				Sel E	Sal.	Н	regeneratic	in at mid-day	, indicate	Nsed	Water
1	Read		_	_	_	I) (Mga				l/gm	-	-			lgm _	lbs.		_	/bu	Bank	#		(Mgal)	-	(M gal)	hours previ	ous/hours fo	llowing.	<u>s</u>	Gal.
1.   1.   1.   1.   1.   1.   1.   1.	1 7:00	18.6	1 468				71			000		as Cl	88 N		Ö	α	as PO4	c				99	0 00 0	0.854	0.453	1	38.0	4	2284	10850
1		15.2	1 188			┸	03		0 ~	0000	290	4.10					0.20	0 0				2 %	0.000	0.00	0.368					32550
10   10   11   11   11   11   11   11		19.5	1.100				82		2 10	0000	320	3.49					0.95	0				2 99	0.060	0.898	0.476					21700
14   15   15   15   15   15   15   15		15.7	1225				93		3	00:00	272	3.55					-0.04	0				99	090'0	0.750	0.398					32550
1		17.5	1.371				77		4	00:00	326	4.27				3	0.10	0				99	0.055	0.748	0.396		14.0			21700
1		17.2	1.306				61		0	00:00	302	3.86				S	0.18	0				99	0.050	0.766	0.406					10850
1	7 7:00	17.1	1.374				02		0	00.00	316	3.85				4	0.14	0				99	0.059	0.805	0.426					43400
1		16.0	1.252				7.1		4	0000	338	3.61				e e	0.19	0 0				90 99	0.049	0.719	0.381		0 70	29.0		21700
10   14   14   15   15   15   15   15   15		16.8	1,338				91			00:0	262	3.18				2 10	0.19	0				2 99	0.058	0.806	0.427		38.0	35.0		32550
14   15   15   15   15   15   15   15	+	14.8	1.159				53			00:00	338	5.13				7	0.27	0				99	0.042	0.646	0.342					10850
10   11   12   12   12   12   12   12		16.3	1.350				90		)	00:00	330	4.86				80	0.29	0				99	0.062	0.786	0.417					43400
1	_	15.3	1246				94		5	00:00	304	3.53				80	0.32	0				99	0.061	0.844	0.447		34.0	28.0		32550
10   11   12   12   12   12   12   12		15.7	1249				26			00:00	330	5.44					0.33	0				99	0.037	0.595	0.315		59.0	9.0		21700
10   15   15   15   15   15   15   15		17.6	1.482				00 12	0.0		0000	336	3.85					0.32	0 0				90 90	0.067	0.854	0.453					32550
1.10   1.10		17.6	1.500				94		0 %	00:0	368	3.93					2.01	0				99.	0.072	0.916	0.486					21700
10   10   11   11   11   11   11   11	+	17.9	1.400				04	4 0.0	)	00:00	566	2.95				-	0.04	0				99	0.061	0.883	0.468					43400
1.1.   1.1.		17.2	1.100				42	0.00		00:00	352	5.22				9	0.20	0				99	0.042	0.661	0.350					0
7.00 115 1300 1138 0106 1138 0106 1138 0106 1131 0132 0100 21 3 85 0 2 0 43 3 1 0 54 0 4 0 130 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		18.6	1.400				67	0.00	0	00:00	325	3.71				C)	0.16	0				99	0.064	0.858	0.455		33.0	34.0		32550
1.00   1.00		19.0	1,400				92	1 0.0	2 5	0000	321	3.60				4 <	0.13	0 0				99 99	0.059	0.875	0.463					32550
1.00   1.00		21.4	1,600				79	90.0		00:00	389	3.85				9	0.17	0				2 99	0.068	0.989	0.524					10850
1.00   1.00		16.7	1.300				87		9	00:00	382	5.03				80	0:30	0				99	0.054	0.744	0.395					32550
700 1773 1484 1389 0010 1179 0022 14 0 024 0 000 382 458 37 084 15 0 000 0 066 0 066 0 066 0 066 0 066 0 067 0 084 0 459 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		19.2	1.506				97		0	00:00	364	4.14				7	0.23	0				99	0.064	0.861	0.457					32550
1.1   1.4   1.5	_	17.9	1.382				92		4	0000	362	4.53					0.27	0 0				90 90	0.059	0.784	0.415					32550
7.00   18.4   1.488   1.307   0.017   1.217   0.110   1.6 0.28   0.00   3.0 0   3.0	_	17.8	1,430				70 98		0 2	00:0	362	4.15					0.53	0				99.	0.053	0.845	0.448		30.0	38.0		32550
7.00   215   1.760   1.850   0.022   1.430   0.022   1.430   0.022   1.430   0.022   1.430   0.022   0.022   1.430   0.022		18.4	1.488						2	00:00	370	4.24					1.62	0				99	0.067	0.854	0.453					43400
7.00   71.5   14.56   12.56   20.15   11.88   0.104   14   0.22   0.00   270   4.38   18   0.34   3.5   0.105   1.05   0.05		21.5	1.760				03		6	00:00	370	3.55					1.65					90	0.070	1.022	0.541	-				32550
Ave.         1756         42.86         3.65.9         0.04         35.519         2.687         3.24         5.66         0.0         0.003         0.003         0.004         0.003         0.003         0.003         0.003         0.004         0.004         0.003         0.00			1.436							00:00	370	4.38				က	0.10			ı		99	0.061	0.827	0.438	ı				43400
WAR.         1.78   1.389   U.S.D.	Total								6	0		125.76					13.67	0 0					1.810	25.198	13.355				177918	ω.
Marconic	Mov.		4 760						0 -	0 0	300	4.00	90	2			0.4	0.0					0.030	4.000	0.431				n	
1	Mis									0 0	380	0.44	O.O				10.2	5 0				0 9	0.07	1.022	0.045					
20% Sodium Permanganate         Pre-berator         CHLORDATION         FLUORDATION         Inchity flat the information in finite report is complete           40% Sodium Permanganate         Membrane Backwash         And Sodium Permanganate         And Social Residence         And Social R									2	0	710	14.7					40.04	0				0	0.037	0.090	0.313					0
40% Statutificabulton Mentione Backwash Appendix of the Control of		% Sodium P	Permangai	nate	Pre-ae	rator	H	CHLORI	NATION					FLUOR	DATION				H	l certii	y that the in	formation in t	his report is	complete						
L273 Solution Pythonia Programming State Goldium Prost Solution Post Solution Pythonia Post Solution Prost Solution Prost Solution Post Solution Post Solution Post Solution Post Cleanwell Chlorine Analyzer Lead Hach CL17 (2) & 5500sc Plunde Analyzer Used: Hach 2200, SPADNS method Date: 210/2024 Date: 210/	40	% BisulfiteS	Solution	1	Membi	rane Back	wash	The section	1			1	70.0	F			The first of the	- 140	L	anda	courate to f	ne best of my	knowledge.			1		0000		
19% Fluorosilloir Acid Solution Post Clearwell Chlorine Analyzens Used: Hach DC 17 (2) & 5500sc Fluoride Analyzen Used: Hach 2200, SPADNS method 33% Phosphate Solution Post Clearwell Date Bacterials Ser 40% Bisuffre-Solution Lagoon Effuent	20	% Ammoniu	m Sulfate	Solution	PostS	oftener	-	i) adk	allioning		Ku mnibos	ocnorie	8° C:2	o adki	Linoride		riyaronuosii.	IGIC ACIG 18.	L 8	Date:	ned by:	2/10/2024			nois opera	or certifical		4 3888		
33% Phospitae Soution Post Clearwell Date Bacterials Ser A0% Bisuffie Solution Lagronn Effluent	19	% Fluorosili	icic Acid So	olution	PostC	learwell		Chlorine	Analyzers	S Used: Hach	CL17 (2) 8	\$ 5500sc		Fluoride	9 Analyzer L	Ised: Hach	2200, SPAC	NS method												
	33	% Prospna. % BisulfiteS	olution	+	Lagooi	n Effluent	-				t			-						Date	sactenais	e e	7/67/1	024						



