

Day Shift

11/17/21

TIME	REMARKS
0700	Comes on shift - Tank Levels: S ₁ : 35.8, S ₂ : 35.9, Red Hill 27.0, CS: 17.9 NCTAM 13.4, UU: 9.3 - Pumps on: Waiawa MP# 1, 4: MGD: 18.25, PSI: 70.0 Red Hill MP# 2: MGD: 6.62, PSI: 32.1 Halawa Booster #1: MGD: 1.18, NCTAM DW: MGD: 1.32, PSI: 75.0
0815	Start Red Hill BP# 2, Red Hill 26.9
0844	Secure Waiawa MP# 4 Start Halawa MP# 3: S ₁ : 36.3, S ₂ : 36.3
0910	Secure Red Hill BP #2, Red Hill 28.0
0920	Secure Red Hill MP# 2, S ₁ : 36.6, S ₂ : 31.5
0942	Secure Halawa MP# 3, S ₁ : 36.6, S ₂ : 36.5
1010	Start Red Hill MP# 2, start UU DW Station check: C1.5, F-3, 1: 330s, 2: 200
1130	UU 2:50 power fail
1223	Secure Halawa BP #1, CS: 14.4
1500	End Shift

DAILY LOG

LAND PWC 9 11300741 (5-69)

SHEET NO

DATE

17 NOV 2021

ACTIVITY

TIME	REMARKS
1500	@ CAMPPOUND ON SHIFT TANK LEVEL: S1/S2 35.8/35.9, REDHILL 27.1 CAMP SMITH 14.3, NCTAMS 13.2, LL 9.1
	PUMPS ON: WAIANA MP#1, REDHILL MP#2 HOANALUA BP#1, NCTAMS BP#2
1510	TURNED ON LL DEEPWELL - LL TANK 9.1
1625	SECURED REDHILL MP#2 STATION CHECKS: CL2 1.2 NAF 0.4, CHLORINE TANK #95 TURNED ON WAIANA MP#4 - S1/S2 35.1/35.1
1645	TURNED ON REDHILL MP#2
2005	ADD FLUORIDE
2020	TAKE VIBRATION READING
2040	TURNED ON REDHILL BP#2 - REDHILL TANK 26.1
2205	NCTAMS FIRE PUMP ON NORM
2240	NCTAMS FIRE PUMP STOPPED SECURED REDHILL BP#2 - REDHILL TANK 28.8
2300	END OF SHIFT

DAILY LOG

4ND PWC 9 11300-41 (5-69)

SHEET NO

ACTIVITY Waianu 3rd shift

DATE 11/17/21

TIME	REMARKS
2300	D. Pareson M
-	Waianu MP 144 GW 66psi 19.6 MGD CL 72 NAF. 47
-	RH MP 2 GW 80psi 7.3 MGD CL 65 NAF. 60
-	UL Well on 33psi 3.21 MGD CL 93
	TANK LEVELS
	SI 35.8 / RH. 29.7 / CS. 13.4 / NAF 14.3 / UL 9.6
2400	CL 72 NAF. 44
0100	CL 72 NAF. 45
0200	CL 71 NAF. 44
0300	CL 70 NAF. 43 / Added Fluoride
0400	CL 70 NAF. 43 / 0445 START HAICAWA B1
0500	CL 68 NAF. 47 / charts
0600	CL 68 NAF. 47
0700	DP out

C. Naitomatsu

11/18/2021

TIME	Day Shift	REMARKS
0830	S1/C2 35.6/35.6	RH 27.2 C.S 13.5 NCTAMs 15.6 L ³ 9.8 Waiawa #1 & #4 70.1 PSI 18.1 MGD 0.74 CL2 0.47 NaF 12.7 well RH #2 32.4 PSI 6.05 MGD 0.73 CL2 0.44 NaF 20.7 well BP Uoanalua #1 NCTAMs #1 Halawa #1 Waiawa CL2 - 0.80 - 0.80 NaF - 0.41 0.47 0.36
0934	Waiawa #4 off	S1/C2 36.4/36.6
1250	Halawa BP #1	alarm - on too long
1250	Halawa BP #1	off C.S 13.8
1250	L ³ DW on	L ³ 9.2
1305	Halawa BP #2	on C.S 13.8
13:14	RH NaF alarm - 10	- 0.20 - I think NaF pump tripped off
	S1/S2 35.8/35.9	RH 26.2 C.S 14.3 NCTAMs 13.2 L ³ 9.2 Waiawa #1 60.8 PSI 9.62 MGD 0.90 CL2 0.62 NaF 17.8 well RH #2 30.8 MGD 7.19 MGD 0.65 CL2 0.17 NaF 20.7 well BP Uoanalua #1 NCTAMs #1 Halawa #2 LLL DW 32.9 PSI 0.319 0.76 CL2
		- Add one bag NaF - clean counter under toaster oven. - can't updating the SDS files.

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

ACTIVITY

WAIPANA GUIDING SHIFT

DATE

18 NOV 2021

TIME	REMARKS
1500	A PAULINO AND B CALIMPONG ON SHIFT
	TANK LEVEL: S1/S2 35.8/35.9, REDHILL 26.2 CAMP SMITH 14.5, DC TAMS 12.9, LLL 9.3
	PUMPS ON: WAIPANA MP#1, REDHILL MP#2 MOANALUA BP#1, DC TAMS BP#1
1515	SECURED REDHILL MP#2
1535	STATION CHECKS: CL2 1.2 DAF 0.35, CHLORINE TANK 385 GAL
1540	A. PAULINO OUT TO INSPECT BOOSTER PUMP AT MOANALUA
1610	GREN TURNED ON REDHILL BP#2 - REDHILL TANK 26.0 TURNED ON WAIPANA MP#4 - S1/S2 35.2/35.1
1625	TURNED ON REDHILL MP#2
1735	A. PAULINO BACK
1820	SECURED REDHILL BP#2 - REDHILL TANK 28.7
1905	ADD FLUORIDE
1915	TAKE VIBRATION READING
1925	SECURED REDHILL MP#2 - S1/S2 30.8/30.9
1950	TURNED ON REDHILL MP#2
2040	TRANSFERRED CHLORINE - CHLORINE TANK 660 GALS
2045	SECURED LLL DEEPWELL - LLL TANK 9.8
2300	END OF SHIFT

ACTIVITY Waianan 3rd shift DATE 11/18/21

TIME	REMARKS
2300	D. Paresa IN
-	Waianan WIP 14 ON 63psi 15.9MGD CL 71 NAF 45
-	RH WIP 2 ON 30psi 7.6MGD CL 90 NAF (12)
-	HACAPUA B2 ON
	TANK LEVELS SL 34.9 / RH 27.9 / C.S. 14.1 / NH 13.9 / CL 9.8
2400	CL 71 NAF 45 / 2439 STOP HACAPUA B2
0100	CL 71 NAF 44
0200	CL 71 NAF 43
0300	CL 72 NAF 43
0400	CL 73 NAF 43 / add Fluoride
0500	CL 75 NAF 43
0600	CL 70 NAF 43
0700	D. Paresa OUT

DAILY LOG

14ND PWC 9 11300-41 (5-59)

SHEET NO

ACTIVITY

DAY SHIFT

DATE

11/19/21

TIME	J. MATTO	REMARKS
800		STARTUP CHECK - 1 GAL FLUORIDE ADDED CL2 1.1, N ₂ 1, 38 CHLORINE TOTES PSI 2750AC 2nd FULL
830		OPEN DR GLASS CUSTERS
900		WALWA - DP#1 ON PSI 67.9 MGD 18.2 RED WRL - DP#2 ON PSI 31.7 MGD 6.2 CL2 .69 N ₂ .12 MADAMA - PSI 54 / MADAMA (VA) DP#1 ON PSI 72 HICKAMS - DP#1 ON PSI 65.2
		TANK COLL - S1 35.5' / S2 35.5' RH 24.9' C5 132' HICKAMS 14.7' LCC 97'
1000		RECHECKED CHEMINGS
1030		MADAMA - DP#1 ON
1105		RED WRL - DP#2 SECURED
1320		LCC - DW ON
1347		LCC - DW SECURED
1450		VIBRATION CHECK
1500		END SHIFT

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

DATE

11/19/21

ACTIVITY

SWING SHIFT

TIME	REMARKS
1500	J. NAITO
	WAIKOLA - MP#1 24 ON PSI 69.9, MAGD 13.2, CC2 .79, Not .56
	RED HILL - MP#2 BP#2 ON CC2 .67, Not .99, P11 29.3
	MAKAIWA - PSI 53 / MOANAIWA - BP#1 ON PSI 73
	HAKAUA - BP#1 ON PSI 68, CC2 .60, Not .49
	MOANAIWA - BP#1 ON, DW ON, PSI 74.8, MAGD 13, CC2 .59, Not .74
	TANK LEVELS - S1 36.5' / S2 36.6', RH 25.4, CS 14.3
	NCMMS 138, LCC 9.5
1530	WAIKOLA - MP#4 SECURED
1545	HAKAUA - DP#1 SECURED
1600	ADDED 1 BAG FLUORIDE, CC2 1.1, Not .58
1625	RED HILL - MP#2 ON
170	OUT TO RED HILL - PULLING COVER WATER
1745	SECURED RED HILL BOOSTER, TANK 14.45
1805	BACK FROM RED HILL
1900	WAIKOLA - MP#4 ON
2050	VIBRATION CHECK
2300	END SHIFT

ACTIVITY

Waiaua 3rd Shift

DATE 11/19/21

TIME	REMARKS
2300	D. Parese in
-	Waiaua MP 1+4 av 64 psi .18.7 MGD CL .77 NAF .43
-	R4 MP 2 av 3 psi 7.5 MGD CL .81 NAF .83
-	NCT Well av 74 psi 1.33 MGD CL .50 NAF .74
-	TANK LEVELS SI 34.6 / C.S 13.7 / R4 .27.4 / NCT 12.5 / WL 9.4
2400	CL .77 NAF .43
0100	CL .70 NAF .43
0200	CL .75 NAF .43
0300	CL .74 NAF .43
0400	CL .73 NAF .43 / Add Fluoride
0500	CL .73 NAF .43
0600	CL .73 NAF .43 / 0630 START LL Well, Waiaua B1 & R4 B2
0700	D. Parese out

ACTIVITY

Waiawa Day

DATE 11/20/21

TIME	REMARKS
0700	I Garcia In 8 HRS OT.
	WAIAWA MP#1 #4 Red Hill MP#2 5, 34.1 FT HAWAIIAN Red Hill BP#2 CAMP SMITH BP#1 LLDW CHL 70 CH#1 130 #2 330 FLW 45 ADD 1 BAG TAKE VIBES
0810	SECURE Red Hill BP#2
1035	SECURE Red Hill MP#2
1045	SECURE WAIAWA MP#4 SECURE CAMP SMITH BP#1
1430	MO - FLW FWD FLW .014 CALLED CHRIS N. TO CHECK MOANALOA TERRACE
1440	MOANALOA BP#1 CAME BACK ON TOLD CHRIS N. NOT TO CHECK
1445	HAWAIIAN DREDGE / OPEN GATE
1500	I Garcia Out

ACTIVITY

WAIAWA SWING

DATE

11/20/21

TIME	REMARKS
1500	I GARCIA IN 8 HRS OT. E VOIT
	WAIAWA MP #1 5, 33.4 FT
	LLL DW CHL #1 110, #2 330
	FLU #1 ADD 1 BAG
	TAKE VIBES
	OPENED GATE FOR HAWAIIAN DREDGING
1530	START WAIAWA MP #4
1600	START RED HILL MP #2
1615	HAWAIIAN DREDGING OUT
1805	SECURE LLL DW
2125	START RED HILL BP #2
2130	CALL DAVE P. TO COME IN AS PER CDO / WILL CK RED HILL
2230	DAVE P. IN
2235	I GARCIA OUT TO RED HILL

ACTIVITY **WAIAWA DAY SHIFT**

DATE **21 NOV 2021**

TIME	REMARKS
0700	<p>3 CALIBRATION ON SHIFT</p> <p>TANK LEVEL: SI/S2 36.1/30.1, RED HILL 27.1</p> <p>CAMP SMITH 12.7, OCTAVUS 12.5, LL 9.5</p> <p>PUMPS ON: WAIAWA MP#1 AND #4, REDHILL MP#2</p> <p>OCTAVUS DEEPWELL AND BP#1, MOANALUA BP#1</p>
0705	TURPED ON WAIAWA BP#2 - CAMP SMITH 12.7
0725	STATION CHECKS: CL2 1.2 NAP 0.33, CHLORINE TANK 400% ²⁰
0750	SECURED WAIAWA MP#4 - SI/S2 36.7/36.8
0900	SECURED RED HILL MP#2 - SI/S2 36.7/36.6
1050	SECURED HALAWA BP#2 - CAMP SMITH 14.5
1100	TAKE VIBRATION READING
1155	TURPED ON WAIAWA MP#4 - SI/S2 34.1/34.1
1230	TURPED ON REDHILL BP#2 - REDHILL TANK 26.1
1240	TURPED ON REDHILL MP#2
1325	<p>RED HILL LOW CHLORINE ALARM</p> <p>ADDED FLUORIDE</p>
1440	SECURED REDHILL BP#2 - REDHILL TANK 28.7
1500	END OF SHIFT

ACTIVITY

WAIANA SWING SHIFT

DATE
 21 NOV 2021

TIME	REMARKS
1500	B CALIMPONG ON SHIFT
	TANK LEVEL: S1/S2 36.0/36.1, REDHILL 28.6 CAMP SMITH 14.3, NCTAMS 13.1, LL 9.4
	PUMPS ON: WAIANA MP#1 AND #4, REDHILL MP#2 MOANALUA BP#1, NCTAMS BP#1
1525	SECURED REDHILL MP#2 - S1/S2 36.4/36.5 TURNED ON LL DEEPWELL - LL TANK 9.4
1610	TAKE VIBRATION READING
1625	SECURED WAIANA MP#4 - S1/S2 36.7/36.7
1655	STATION CHECKS: CL2 1.0 PAF 0.60, CHLORINE TANK 350GAL
1805	TURNED ON WAIANA MP#4
1820	ADDED FLUORIDE, TRANSPERRED CHLORINE
1930	SECURED LL DEEPWELL - LL TANK 9.8
2300	END OF SHIFT

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

ACTIVITY

Waiiana night shift

DATE 11/21/21

TIME

REMARKS

2300 En Vojt

Waiiana mp1 #4 18.42 MGD 66.3 PSI
Redhill mp2 6.51 MGD 31.5 PSI
Halawa off
NeTXNS 15.3
Lualualei off

51/52 36.8 Redhill 27.2 camp 37 13.8
NeTXNS 15.3 LLL 9.8

0612 stop Waiiana mp4 51/52 37 ft

0620 NeTXNS chlorine .22 ppm

0641 start HA-BP1

0645 start Redh-BP2

0700 End of shift

8 hrs
OT

DAILY LOG
12ND PWC 9 11300741 (5-09)

SHEET NO

ACTIVITY

DATE

Waiana swing shift

11/22/21

TIME	REMARKS
1500	E. Vest
	Waiana mp1 & 4 18.31 MG-D 70.2 PSE
	Redhill off
	Hakawa off
	NCTAMS mp1 1.33 MG-D 74.3 PSE
	Lualualei off
	51/32 35.3 Redhill 26.8 camp 5M 13.6
	NCTAMS 12.7 LLL 9.7
1521	no-flow FWD 1021 HOA Alarm
	meanua Terrace Booster #5 off
1530	meanua Terrace Booster #1 came back on
1629	XRM went down - Rigid master
1634	XRM Rigid master came back up
1800	XRM Rigid master up
1805	start Redh-mp2 31/52 36ft
1905	start HA-BP2
1947	start Redh-BP2
2149	stop HA-BP2
2205	stop Redh-BP2
	NO Hg Fluoride
2300	End of shift

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

DATE

10/22/21

ACTIVITY

Waianua night shift

TIME	REMARKS
2300	E. Vegt
	Waianua mp1 Φ 21 18.53 MG-D 66.1pSE
	Redhill mp2 6.921 MG-D 31.5pSE
	Halawa off
	NETAMS mp1 1.32 MG-D 74.3pSE
	Lualualei off
	S1/32 36.1 Redhill 28.5 camp 3M 14.8
	NETAMS 12.3 LLL 9.7
	Add 1 by fluoride
0200	End of shift

DAILY LOG

14ND PWC 9 11300-41 (5-09)

SHEET NO

ACTIVITY

Waiawa 2nd shift

DATE 11/23/21

TIME	REMARKS
2200	D. Paresa M
-	Waiawa WP 1+4 on 67psi 18.51(60) CL. 52 NAF. 63
-	RH WP 2 on 3psi 6.6(60) CL. 69 NAF. 38
-	NET Well on 75psi 1.31(60) CL. 57 NAF. 74
-	RH & Haawa B2s on
	TANK LEVELS
	SA 35.0 / RH 26.9 / CS. 12.8 / NET 15.0 / LU 9.0
2400	CL. 52 NAF. 63 / 2432 STOP RH B2
0100	CL. 51 NAF. 63
0200	CL. 50 NAF. 62
0300	CL. 50 NAF. 61 / 0341 STOP Haawa B2
0400	CL. 50 NAF. 61 / Add Fluoride
0500	CL. 52 NAF. 61
0600	CL. 52 NAF. 61
0700	D. Paresa On

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

DATE

11/24/21

ACTIVITY

DAY SHIFT

TIME	REMARKS
745	J. NAITO STATION CHECK - CL2 .8, Nat .74 THERM 7576. 1st 275 GAL, 2nd 100 GALS
800	LAIALA - MP#1 #4 ON, PI 691, MAG 18.2 RED HILL - MP#2 ON, PI 325, MAG 64, CL2 .72, Nat .34 HALAWA - PI 68, MAHANA PI 54, MAHANA BP#1 ON, PI 69 NEAMI - DU ON, PI 744, MAG 13, CL2 .864, Nat .71, BP#1 ON
	TANK LVL - ST 36.2' / SJ 36.2', RH 26.9', CS 13.9' NEAMI - 13.3', LCL 9.8'
830	LAIALA - MP#4 SECURED
915	LAIALA - MP#4 ON
1005	RED HILL - MP#2 SECURED
1031	CLL - DL ON
1047	CLL - DL SECURED
1130	HALAWA - BP#1 ON
1230	STATION CHECK
1300	LAIALA - MP#4 SECURED
1400	END SHIFT

8hrs
OT

DAILY LOG
14ND PWC 9 11300/41 (5-59)

SHEET NO

DATE
11/25/21

ACTIVITY

Waiana Day shift

TIME

REMARKS

0700 Ev Vagt

Waiana mp1 & 4 18.27 MGD 49.2 pSR

Redhill mp2 6.23 MGD 31.6 pSR

Halana off

NETXMS mp1 1.32 MGD 75.3 pSR

Lualuaki off

51152 33.6 Red hill 27 camp 511 12.7

NETXMS 14 4.11 9.8

0707 start HA-BP2

1137 stop waia-mp4 51152 37.1 ft

1157 stop Redh-mp2

1207 stop HA-BP2

Add 1 lb fluoride

1353 start Redh-mp2 51152 35.3 ft

1500 End of shift

11/25/21

ACTIVITY

Waiana Swing Shift

TIME	REMARKS
1500	Bar Vest & Chris Narimatsu
	Waiana mp1 9.63 MGD 61.7 PSI
	Redhill mp2 7.12 MGD 36.9 PSI
	Halawa off
	NCTXMS mp1 1.32 MGD 74.4 PSI
	Luahalei off
	SI/32 35.3 Redhill 25.5 Camp 5M 14.6
	NCTXMS 13.3 LBL 9.8
1801	Start Redh-BP2 Add 1 lb fluoride fill chlorine tanks
1821	start Waia-mp4 SI/52 35.7 ft
1821	MO-FBW FWD-Flow 1023 LO Alarm
	Moanalua Terrace - Booster pump #1 shutdown
1830	Moanalua Terrace - Booster pump #1 online
2054	stop Redh-BP2
2300	End of shift

ACTIVITY Waianua 3rd Shift

DATE 11/25/21

TIME	REMARKS
2300	D. Paresu in
	- Waianua MP 1+4 on 65psi 18.6 MGD CL 51 NAF 61
	- RH MP 2 on 29psi 7.2 MGD CL 75 NAF 51
2330	- START RH B2 / *Reset pump room exhaust Fan / Tanic Leves SA 330 / RH 252 / C.S. 13.8 / NCT 14.6 ULL 9.9
2400	CL 51 NAF 61
0100	CL 51 NAF 61
0200	CL 61 NAF 63 / 0200 STOP RH B2
0300	CL 50 NAF 64
0400	CL 50 NAF 65 / checks / Add Fluoride
0500	CL 50 NAF 65 / 0544 MAKAKAPA Forward Alarm (0 Flow) Did and meter came back 10min later to 4.0 MGD.
0600	CL 51 NAF 65
0700	D. Paresu out

ACTIVITY

Waianua swing shift

DATE

11/26/21

TIME

REMARKS

1500 R. Vest

Waianua mp1 9.67 MGD 60.4 PSI

Redhill mp2 7.38 MGD 31.9 PSI

Halawa off

NLTANS off

Lualualei off

51/32 34.6 Redhill 2.57 camp sn 13.2

NLTANS 15.5 LLL 9.7

1525 start mp4 51/32 34.6 ft

1817 stop waia - mp4 51/32 37 ft

1823 stop Redh - mp2

1830 start HA - BP2

1837 start Redh - BP2

Add 1 lb fluoride

1900 start waia - mp4 51/52 36.2 ft

1933 start Redh - mp2

2140 stop Redh - BP2

2207 stop HA - BP2

2300 End of shift

ACTIVITY Waianu 3rd shift

DATE 11/26/21

TIME	REMARKS
2300	D. Parson W
	- Waianu WTP 14 ON 66psi 18.5MGD CL-58 NAF. 63
	- RH WTP 2 ON 30psi 7.2 MGD CL-62 NAF. 75
	- Net Well ON 75psi 1.3 MGD CL-49 NAF. 72
	- TANK LEVELS SL 35.1 / RH. 28.4 / C.S. 14.7 / Net 14.2 / LL 9.7
2400	CL-58 NAF. 63
0100	CL-63 NAF. 64
0200	CL-66 NAF. 64
0300	CL-68 NAF. 64
0400	CL-70 NAF. 64 / Add Fluoride
0500	CL-72 NAF. 65
0600	CL-74 NAF. 67
0700	D. Parson ON

DAILY LOG

14ND PWC 9-11300/41 (5-69)

SHEET NO

ACTIVITY

Waiana 1st shift

DATE

11/27/21

TIME	REMARKS
0700	D. Paresa in
	- Waianua MP 174 @ 70 psi 18.0 MG/D
	CL 72 NAT. 67
	- RH MP 200 32 psi 5.9 MG/D
	CL 69 NAT. 71
	- TANK LEVELS
	ST 35.3 / RH 27.0 / C.S. 13.7 / NAT 13.4 / MG 9.7
0800	CL 70 NAT. 65 / 0825 STOP Waianua MP 4
0900	CL 73 NAT 60
1000	CL 75 NAT 69
1100	CL 85 NAT. 77
1200	CL 89 NAT. 85
1300	CL 92 NAT. 89 / Added Fluoride
1400	CL 88 NAT. 96 / 1422 Monitor BL stopped
1500	D. Paresa out

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

ACTIVITY

Waiawa 3Wing shift

DATE

7/17/21

TIME

REMARKS

1500 End Vegt

Waiawa mp1 9.58 MGD 61.4 pSE

Redhill mp2 6.733 MGD 36.9 pSE

Hakawa off

HCTXNS off

Lunaluiki off

51/52 36.8 Redhill 25.5 camp sm 13

HCTXNS 15.2 166 9.7

1644 stop Redh-mp2 37ft

1811 start Redh-BP2

1812 start waiawa mp4 51/52 36ft

Add 1bg fluorid

~~ADD~~ Filled chlorine Tanks

1831 start HA-BP2

1842 start Redh-mp2

2134 stop Redh-BP2

2211 stop HA-BP2

2300 End of shift

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

ACTIVITY

Waianua 3rd shift

DATE

11/27/21

TIME	REMARKS
2300	D. Paresa in
-	Waianua WIP 1+4 on 67psi 18.4MGD cl. 72 NAF. 55
-	RHT WIP 2 on 32psi 6.6MGD cl. 64 NAF 65
-	NET Well on 75psi 1.3MGD cl. 43 NAF. 70
-	TANK LEVELS SI 35.7 / RII 29.5 / CS 14.7 / NCI 14.9 / ULL 9.7
2400	cl. 77 NAF. 55
0700	cl. 73 NAF. 55
0800	cl. 73 NAF. 55
0900	cl. 74 NAF. 55
0400	cl. 75 NAF. 55
0500	cl. 75 NAF. 55
0600	cl. 73 NAF. 55 / 0612 stop Waianua WIP 4
0641	stop RHT WIP 2
0700	D. Paresa out

ACTIVITY

WAIANA SWING SHIFT

DATE

28 NOV 2021

TIME

REMARKS

1500

B CAMPONDS ON SHIFT

TANK LEVEL: 51/52 36.0/36.0, REDHILL 26.5
CAMP SMITH 13.7, DC TANKS 13.3, ALL 9.7

PUMPS ON: WAIANA MP#1, REDHILL MP#2 AND BP#2
HALAWA BP#2, DC TANKS BP#1

FLYNN MEET UP W/ J NEAL AT REDHILL FOR
WATER SAMPLE OF WELL

1600 J PAVOR CALLED TO INFORM THAT THEY WILL FLUSHING
FH @ MOANA WA AND PWC COMPOUND

1635 STATION CHECKS: CL2 1.4 NAF 0.7, CHLORINE TANK 495g

1650 SECURED REDHILL BP#2 - REDHILL TANK 28.6

1655 SECURED HALAWA BP#2 - CAMP SMITH 14.5

1710 TAKE VIBRATION READING

1725 F GARCIA CALLED TO UPDATE THAT THEY'RE GOING BACK
IN TO REDHILL WITH CO

1730 TURNED ON WAIANA MP#4 - 51/52 36.0/36.0

1815 SECURED REDHILL MP#2 PER F GARCIA TILL FURTHER
NOTICE, UTILIZE HALAWA MP#3 INSTEAD

1920 TURNED ON HALAWA MP#3 - 51/52 36.4/36.4

1955 SECURED HALAWA MP#3

TURNED ON REDHILL MP#2 (FOR WATER SAMPLE)

2010 ADDED FLOURIDE

2045 R KWAMURA CALLED FOR ME TO SECURE REDHILL ^{MP}#2

BUT I WAS NOT ABLE TO CATCH F GARCIA IN THE PROCESS
OF COLLECTING WATER SAMPLE

2120 SECURED REDHILL MP#2

2125 TURNED ON HALAWA MP#3

2200 FLYNN GARCIA SIGN OUT

2300 END OF SHIFT

ACTIVITY

Waiawa night shift

DATE

11/28

TIME

REMARKS

2300 E. Vest

Waiawa .mp 1 4 m 18.21 MGD 68.5 PSI
Redhill .off

Halawa .mp 3 4.22 MGD 70.9 PSI

NUTANS off

Luakaki .off

51/32 36.4 Redhill 27.6 camp SM 14.

NUTANS 14.7 hll 9.7

2305 NI-B4-R42-cam .RTU comm fail

0116 X29 Redhill TNK DOWN

.Tank level 27.3 ft

0118 X29 Redhill TNK up ~~RTU~~

Add 1bg fluoride

0440 start Redh-BP2

0611 stop Redh-BP2

0700 End of shift

29 NOV 2021

ACTIVITY

WAIANA SWING SHIFT

TIME	REMARKS
1500	B CALIMPOUG OD SHIFT TASK LEVEL: S1/S2 36.0/36.0, REDHILL 26.7 CAMP SMITH 13.3, OCTAMS 13.3, LLL 9.7
	PUMPS ON: WAIANA MP#1 AND #4, HALAWA MP#3 OCTAMS DEEPWELL AND BP#1 HOANALUA BP#1
	SECURED REDHILL MP#2 TURNED ON HALAWA MP#3 TURNED ON LLL DEEPWELL - CL2 0.00 RTU 42 COMM FAILURE
1530	F. GARCIA CALLED TO INFORM REDHILL MP#2 MUST NEVER BE TURNED ON PER R. KAWAMURA AND K WONG
1545	C NABIMATSU SIGN OUT K. WONG CALLED TO VERIFY TASK LEVEL S1/S2 AND TO CONFIRM WE RECEIVED MESSAGE ABOUT REDHILL MP#2
1555	V. NEHL CALLED STATING THEY ARE FLUSHING 12 FH FOR 4 HRS
1630	STATION CHECKS: CL2 1.0 NAF 0.63, ADD FLUORIDE CHLORINE TANK 330 GALS
1735	SECURED LLL DEEPWELL
1750	TAKE VIBRATION READING TURNED ON LLL DEEPWELL - CL2 0.000
1835	SECURED LLL DEEPWELL - CL2 0.00 NO CHANGE TRANSFERRED CHLORINE - CHLORINE TANK 660 GALS
1850	TURNED ON REDHILL BP#2 - RED HILL TANK 26.0 TURNED ON HALAWA BP#2 - CAMP SMITH 13.0
1945	V. NEHL AND TEAM ARRIVED TO TAKE WATER SAMPLE
2030	V. NEHL AND TEAM DONE WITH WATER SAMPLE
2105	SECURED REDHILL BP#2 - REDHILL TANK 28.7
2135	SECURED HALAWA BP#2 - CAMP SMITH 14.5
2300	END OF SHIFT

ACTIVITY

Waiana'a night shift

DATE
11/29/21

TIME

REMARKS

2300

B. Vogt

Waiana'a mp1 Φ 4 18.42 MG-D 67.3 ps
Redhill off

Halawa mp3 11.44 MG-D 68.8 ps

NETXNS off

Lualualei off

51/32 34.7 Redhill 28.3 Camp SM 14.0

NETXNS 12.7 Lualualei 9.8

2300 Lualualei chlorine reading zero

0015 HA-W-LVL Well LVL 11.0

0028 HA-W-LVL Well Level 11.0

0238 stop HA-mp3 51/32 32.5 ft

Well level alarm. Kept alarming

0302 start HA-mp3 51/32 32.1 ft

Well Level 11.8 ft

0500 51/32 Tanks 31.9 ft

Add 1bg fluoride

0500 Halawa chlorine = 20 ppm

0700 End of shift

ACTIVITY

DAY SHIFT

DATE

11/30/21

TIME

J. WATTO

REMARKS

730

STATION CHECK - CL2 1.2, Nat, 72
CHORANE TOTES 1st FULL, 2nd FULL

740

WAIKAWA - MP#1 014 PSI 70.5 MGD 18.0
RED HUC - PSI 28.9 CL2 .48 Nat .55
HALAWA - MP#3 014 PSI 71.8 MGD 4.2 CL2 .51 Nat .39
MOAMA LWA - BP#1 014 PSI 71
MCTAMS - BP#1 014 PSI 65.5

TANK LVLS - S1 32.3 / S2 32.5, RH 26.8, CS 13.7
MCTAMS 14, LLL 9.8

915

RTUX 20 ALARM KEEPS GOING OFF, NOTIFIED LEO ~~ALREADY~~

950

RED HUC - BP#2 OFF

1237

VIBRA-404 CHECK

1240

HALAWA - BP#1 014

1500

END SHIFT

ACTIVITY

Waianu 3rd Shift

DATE

11/30/21

TIME	REMARKS
2300	D. Paresse IN
	- Waianu MP 144 av 65psi 19.5 UGD CL 63 NAF 52
	- Haawa MP 3 av 65psi 4.4 UGD CL 20 NAF 39
	TANK LEVELS
	SA 22.7 / RH. 27.1 / C.S. 13.9 / OCT 14.1 / ULL 9.8
2400	CL 63 NAF 52
0100	CL 65 NAF 52
0200	CL 66 NAF 52
0300	CL 67 NAF 52 / Add Fluoride
0400	CL 68 NAF 52 / 0425 START ULL Deep well (no chlorine mound)
0500	CL 64 NAF 52
0600	CL 63 NAF 52
0700	D. Paresse OUT

DAILY LOG

LAND PWC 9-11300-41 (5-69)

SHEET NO

DATE

12/1/21

ACTIVITY Day shift

TIME	REMARKS
0700	Coming on watch Tank Levels: S, 30.5, S2: 30.6, Red Hill: 27.5 Camp Smith: 12.6, NCIAM: 15.6, LLL: 9.8 Pumps on: Halawa MP#1, 4 = MGU: 18.65, PSI 69.5 Red Hill Booster #2 = MGU: 70
0726	Start Halawa Booster #2, CS: 12-5 Change NCIAM Pump on Level: 12-5 → 11.5 Secure Red Hill Booster #2, Red Hill 28.0
0750	Station check C-1.0 F-.52 Add 50 lb Fluoride Tank 1: 110 approx, Tank 2 - 330 +
0758	Secure Halawa Booster #1, Start Halawa Booster #2 (PM)
0915	Leave Station
0930	Back on watch adjust Cl2 pump stroke speed. Setting Cl2 residual to .4 ppm
1023	Start Red Hill Booster #2, Red Hill: 26.0
1112	Leave station → Red Hill

DAILY LOG

LAND PWC 9 11300/41 (5-69)

SHEET NO

ACTIVITY

Waiawa 3rd Shift

DATE 12/1/21

TIME	REMARKS
2200	D. Paresse W
	- Waiawa MIP 144 ON 66psi 19.6 LUGD CL. 32 NAT. 54
	- RH MIP OFF / B2 ON
	- HAWAII MIP 3 ON 67psi 4.5 LUGD CL. 53 NAT. 39
	- LL Well ON 32.7psi 2.9 LUGD CL 52
2400	CL. 32 NAT. 54 / 2405 STOP RH B2
0100	CL. 32 NAT. 53
0200	CL. 32 NAT. 52
0300	CL. 32 NAT. 51
0400	CL. 32 NAT. 50 / Add Fluoride
0500	CL. 32 (.40 FT.) NAT. 50 / charts
0600	CL. 32 NAT. 50
0700	D. Paresse out

ACTIVITY

C. Kaminatsu

DATE

12/07/2021

TIME	REMARKS
0700	<p>Dry Shift</p> <p>S/S 28.3/28.4 PH 27.2 CS 13.0 NCTAMS 14.0 L³9.9</p> <p>Waiaua #1 & #4 66.7 PSI 18.4 MGD 0.32 CL2 0.50 NaF 13.5 well</p> <p>Halawa #3 68.9 PSI 4.50 MGD 0.39 CL2 0.59 NaF 11.2 well</p> <p>LL DW 32.7 PSI 0.298 MGD 0.52 CL2</p> <p>BP Maunaloa #1 NCTAMS #1 Halawa #2</p>
1400	<p>C/C 32.1/32.1 PH 26.4 CS 14.2 NCTAMS 12.6 L³9.8</p> <p>Waiaua #1 & #4</p> <p>Halawa #3</p> <p>Maunaloa #1 NCTAMS #1</p>
1415	<p>Ⓟ CAMPING OLD SITE</p>
1500	<p>Ⓟ END OF SHIFT</p>
	<ul style="list-style-type: none"> - check well @ Waiaua - wiped down hand rails to pump v.m. twice. - check tank @ C.S. - adjust CL2 injection pump @ Halawa.

ACTIVITY

WAIMANA SWIDGE SHIFT

REMARKS

TIME

1500

B CALLING ON SITE / C KARIMATSU ASSISTING CONTRACTOR WITH WATER SAMPLES

WATER LEVEL: SI/S2 32.9 / 33.0 - PSI 72.7, MGD 17.8
 HAWAIIA BETHILL 26.3, CAMP SMITH 14.1
 NCTAMS 13.4, LLL 9.8

PUMPS ON: WAIMANA MP#1 AND #4 - PSI 72.7, MGD 17.8
 HAWAIIA MP#3 - PSI 74.0, MGD 4.66
 HAWAIIA BETHILL BP#1, NCTAMS BP#1

1700 STATION CHECKS: CL2 0.4 OAF 0.39, CHLORINE TANK 600 G

1730 TAKE VIBRATION READING

1750 TURNED ON BETHILL BP#2 - BETHILL TANK 25.9

1800 JACK KROON FROM AECOM CALLED TO TAKE SAMPLE FOR HAWAIIA WELL @ 0900 TOMORROW

1950 SECURED BETHILL BP#2 - BETHILL 28.6

2200 HAWAIIA BP#1 ON K-S 13.3

2210 ADD FLUORIDE

2300 END OF SHIFT

DAILY LOG
LAND PWC 9 11300/41 (5-69)

ACTIVITY

Waiana 3rd Shift

REMARKS

TIME	REMARKS
2300	D. Purser W
-	Waiana WWP 1+4 cu 66.7 MGD CL 30 NAF. 47
-	HAWAII WWP 30V 67pi 4.5 MGD / HAWAII B21 cu CL 30 NAF. 39
-	TANK LEVELS SI 33.5 / RH 28.2 / CS. 13.6 / NLT 14.6 / LL 9.8
2400	CL 30 NAF. 46
0100	CL 30 NAF. 45
0200	CL 30 NAF. 44
0300	CL 30 NAF. 44
0400	CL 30 NAF. 44
0500	CL 32 NAF. 43 / 0530 START HAWAII B2
600	CL 30 NAF. 41
0700	D. Purser cu

DAILY LOG

LAND PWC 9 113107-41 (5-69)

SHEET NO

DATE

12/3/21

ACTIVITY

PAY SHIFT

TIME	REMARKS
830	J. MAITO STATION CHECK - CC2 .4 Nat .42 CHLORINE TOTES 1st FULL 2nd FULL
900	WAIANA - MP#1 #4 OM PSI 70.7, MAGD 17.9, TWO HILL. PSI 29.8, CC2 .46, Nat .39 HACAWA - MP#3 OM, PSI 72.7, MAGD 4.13, CC2 .93, Nat .39 MAKANA - P11 54, MOANA WA MP#1 OM, PSI 70 MOANAS - P0#1 OM, PSI 64.9, CCH .32, Nat .71 TANK LEVELS - S1 33.7' / S2 33.7', PH 27.1, CS 14.3' MOANAS 13.7', VCC 9.8'
930	TAKE 9000 TO TAKE WATER SAMPLES.
1120	BACK
1345	HACAWA - MP#3 SECURED.
1430	WAIANA - MP#4 SECURED
1500	END SHIFT

O.T.

SHEET NO

DAILY LOG
LAND PWC 9 11300/41 (5-69)

DATE 12/3/21

ACTIVITY Waianua 2nd shift

TIME	REMARKS
1500	D. Parson in - Waianua MP 1 on 6psi 9.6 UG0 CL 32 NAF 39
	- Army pumping @ NCT 1.3 MG0 TANK LEVELS 31 36.5 / P.H. 25.9 / C.S. 13.6 / NCT 13.3 / UG 9.8
1530	START HAWA MP 3
1600	CL 34 NAF 31 / 1656 STOP (secure) HAWA MP 3 (per A.P.)
1659	LL chlorine dropout .03 / turning on Deep well
1700	CL 33 NAF 31
1800	CL 32 NAF 31 / Add Fluoride
1900	CL 29 NAF 39 / 1919 SMT at HAWA B2
2000	CL 31 NAF 41
2100	CL 31 NAF 41 / 2130 STOP P.H. B2
2200	CL 31 NAF 41
2300	D. Parson out

ACTIVITY Waikawa 3rd shift

DATE 12/3/21

TIME	REMARKS
2300	D. Paveson W / STOP HAWAII B2
-	Waikawa MIP 144 OR 67 PSI 194 (1660)
-	CL 31 NAT. 41
-	LLC WELLOW 32 PSI 30 (1460) CL 55
	TANK LEVELS
	SA 33.7 / RHT. 29.9 / CS. 14.8 / NAT 14.1 / LLC 9.9
2400	CL 31 NAT. 41
0100	CL 32 NAT. 42
0200	CL 32 NAT. 44
0300	CL 32 NAT. 45
0400	CL 32 NAT. 45
0500	CL 31 NAT. 47 / Add Flange
0600	CL 32 NAT. 47
0700	D. Paveson OR

DAILY LOG

14ND PWC 9 11300-41 (5-09)

SHEET NO

DATE 12/4/21

ACTIVITY

WAIANA Day

TIME	REMARKS
0700	I GARCIA IN 8HR OT
	WAIANA MP#1 #4 3,34.3
	LLL DW CHL #1 330 #2 1654
	FLU 56 ADD 1 BAG
	JORDAN N. IN FOR SAMPLING
0720	TAKE VIBES
0735	MP-R21-com RTU Comm FAIL
0805	MAK-GATE-com RTU Comm FAIL
0820	JORDAN N. OUT TO SAMPLE
1000	START RED HILL BP#2 / ALFRED P. IN TO ESCORT J. NEHL STARTED FLUSHING RED HILL
1215	SECURE RED HILL BP#2
1500	I GARCIA OUT

ACTIVITY

WAIAWA Swing

DATE

12/4/27

TIME	REMARKS
1500	GARENA IN 8 HRS OT
	WAIAWA MP#1 #4 S, 34.3 FT
	LLL DW
	CHL 40 CHL#1 330 #2 130
	FIN 50 ADD 1 BAG
	TAKE VIBES
	ALFRED P. IN TO ESCORT
	JORDAN N. IN FOR WATER SAMPLING
1525	START RED HILL BP#2
1725	SECURE RED HILL BP#2
1800	ALFRED P. / JORDAN N. OUT
1515	JOE NEHL / AECOM IN TO SAMPLE WATER
1815	JOE N. / AECOM OUT
2100	START CAMP SMITH BP#1
2300	GARENA OUT

ACTIVITY

Waiawa 3rd Shift

DATE
 12/4/21

TIME	REMARKS
2300	D. Pareson on
-	Waiawa WTP 1+4 on 69 PSI 18.2MGD CL 31 NAT. 41
-	Well on 32psi 29.4MGD CL 53
	Tank Levels SA 36.0 / RH 27.6 / CS 12.8 / NF 13.6 / LW 9.9
2400	CL 31 NAT. 41
0700	CL 34 NAT. 41
0200	CL 55 NAT. 41 / 0200 STOP WAIAWA WTP 4
0300	CL 36 NAT. 41
0400	CL 30 NAT. 41 / Add Fluoride
0500	CL 36 NAT. 41
0600	CL 36 NAT. 41 / 0616 MP R21 RTU ALARM & STARTED WAIAWA WTP 4
0700	D. Pareson on

DAILY LOG

14ND PWC 9 11300, 41 (5-59)

SHEET NO

DATE 12/5/21

ACTIVITY

Waiawa Day

REMARKS

TIME

0700 X Garden In

Waiawa MP#1 #4 S, 34.1 FT

LLL DW
CHL #40 CHL#1 330 #2 80
Fm .56 Add 1 Bag

A. Paulino In For WATER Sampling

0720 TAKE VIBES

0800 MAK-GATE-com Rtn Comm Fail

0845 Out To Red Hill To Drop OPE A: Paulino CAC CARD

0930 Back In Plant

0945 J. NEUL To SECURE VALVE #10
ON HICKAM ~~ROAD~~ BIKE PATH
TO WEST LOCK

1225 SECURE LLL DW

1245 START RED HILL BP#2 / SECURED AS PE A. Paulino

1300 SECURE WAIAWA MP#4

1420 START LLL DW

1500 X Garden Out

ACTIVITY

WAIAWA SWING SHIFT

DATE

05 DEC 2021

TIME	REMARKS
0500	B CALIFORNIA ON SHIFT TANK LEVEL: S1/S2 35.6 / 35.6, REDHILL 25.9 CAMP SMITH 14.5, OCTANKS 14.0, LLL 9.9
	PUMPS ON: WAIAWA MP #1 - PSI 59.8, MED 9.67 MORDAUK BP #1, OCTANKS BP #1 LLL DEEPWELL - PSI 32.5, MED 0.295
1505	TURNED ON WAIAWA MP #4 - S1/S2 35.4 / 35.4
1530	NARVAL CPO CALLED TO VERIFY REQUIS POINT / PULLCA FEED
1635	STATION CHECKS: CL2 0.4 NAT 0.69, ADD FLUORIDE CHLORINE TANK 385 GAL
1740	R. KAWAMURA CALLED FOR A PUMINO TO LOG REDHILL MAIN PUMPS
1750	TAKE VIBRATION READING
1800	MAKALAPA GATE RTU 45 FAILURE
1900	TURNED OFF LLL DEEPWELL - LLL TANK 9.9, CL2 0.5
1920	MERRY POINT METER RTU 21 FAILURE
2050	J DEHL CALLED TO INFORM 7 HYDRANT ARE BEING PUSHED UNTIL 12 PM
2110	TURNED ON REDHILL BP#2 - REDHILL TANK 25.3
2135	A PUMINO SIGN OUT
2145	TURNED ON LLL DEEPWELL - LLL TANK CL2 0.04
2300	END OF SHIFT

Waiawa night shift

12/15/21

TIME	REMARKS
2300	R. Vogt
	Waiawa MP1 #4 .18.18 MED 70PSI
	Redhill off
	Halawa off
	NCTAMS off
	Kualalei MP1 on
	Waiawa chlorine .25 ppm
	31/52 36.1 Redhill 27.7 camp sm 14.1
	NCTAMS 13.6 LLH 9.9
2322	stop LL-DW-MP1
0016	NAK-Gate-com RTU com fail
0019	MP-R21-com RTU com fail
0048	ST-R33-com RTU com fail
0118	NF-D4-R42-c RTU com fail
0121	stop Waia-MP4 31/52 37ft
0421	start Waia-MP4 31/52 35.7ft
0515	start Redh-BP2
0104	LL-260-LLH-Res chlorine-Res .08ppm
	Alarm
0535	stop Redh-BP2
0633	start LL-DW-MP1
0700	End of shift
0700	continue Day shift until Flynn comes
	in
0906	stop Waiawa MP4 31/52 37ft
0930	Halawa Both booster pumps not working
	called Alfredy chris is checking it
	Halawa-chris reset booster pumps
0954	start HA-BP1
1002	Flynn arrived at Waiawa End of shift

ACTIVITY

WAIMANA SWING SHIFT

DATE

02 DEC 2021

TIME	REMARKS
1500	B CALMPOOL TANK LEVEL: S1/S2 36.1/36.0, REDHILL 28.1 CAMP SMITH 14.4, NCTAMS 13.2, ULL 9.8 PUMPS ON: WAIMANA MP#1 - PSI 61.8, MGD 9.64 MOANAIUA BP#1, NCTAMS BP#1
1505	DIMITZ METER RTU 40 FAILURE
1540	TURNED ON WAIMANA MP#4 - S1/S2 35.8/35.7 TURNED ON ULL DEEPWELL - ULL TANK CL2 0.04
1600	SALTCAKE CHURN BATTERY VOLTAGE ALARM 10.40V
1615	TURNED ON REDHILL BP#2 FOR A. PAULINO
1630	SECURED REDHILL BP#2
1635	STATION CHECKS: CL2 0.5 NAF 0.6, CHLORINE TANK 660 GALS
1745	CALLED A. PAULINO BOOSTER PUMP DISCHARGE NCTAMS 18.1 - BOOSTER PUMP OFF
1750	FIRE PUMP (NCTAMS) ON, A. PAULINO HEADS UP TO NCTAMS
1805	CALLED CDO TO INFORM HIM ABOUT SITUATION IN NCTAMS
1820	SECURED WAIMANA MP#4 - S1/S2 37.1/36.7
1845	TAKE VIBRATION READING
1850	NCTAMS FIRE PUMP STOPPED
1910	A. PAULINO CALLED TO VERIFY NCTAMS BP#1 AND FIRE PUMP OFF - ISSUE CAUSED DUE TO POWER BUMP
1915	CALLED CDO TO GIVE UPDATE ON NCTAMS SITUATION
1930	TURNED ON WAIMANA MP#4 - S1/S2 36.5/36.1 SECURED ULL DEEPWELL - ULL TANK 9.9 CL2 0.79 DIMITZ METER RTU 40 FAILURE
2000	ADD FLUORIDE
2020	ULL B260 RTU FAILURE
2025	RTU ²² BACK ON SERVICE
2040	SECURED WAIMANA MP#4 - S1/S2 36.9/36.4
2110	ULL B413 RTU 26 FAILURE
2115	RTU 26 BACK ON SERVICE
2235	TURNED ON WAIMANA MP#4 - S1/S2 36.1/35.4
2300	END OF SHIFT

ACTIVITY

Waiana night shift

DATE

12/6/21

TIME	REMARKS
2300	En Voyt
	Waiana mp1 & M 18:15 NG-D 69.8 PSI
	Redhill off
	Halawa off
	NCTAMS off
	Lualualei off
	51 36.2 52 35.4 Redhill 27.5
	camp 5M 14.1 NCTAMS 14.1 LLL 9.9
2250	Redhill communication went down
2259	PHWR-RP Redhill RP No ping Alarm
	T-1 line down, switch to radio, Redhill station comm up on radio
2308	NC-N2-PRS-ALM Repeat ALM LO Alarm
1222	Redhill station communication down on radio
1224	Redhill station comm up
0336	stop waia-mp4 51 37.1 52 36.2
0343	start waia-mp4 51 35.6 52 34.8
0401	SB-2H-PRS Pressure 0.0 LO Alarm
0013	MF-R40-com RTU comm fail
0014	MAK-Gate-com RTU comm fail
0018	mp-21-com RTU comm fail
	Add lbs fluoride
0431	start Redh-BP2
	Received lots of alarms at NCTAMS meter RTU 19 because of low pressure @ 50.7 PSI
0445	HK-P0-R36-com RTU comm fail
0625	stop Redh-BP2
0622	Halawa communication went down
0634	PHWR-20-2 Halawa No ping, Halawa on radio
0637	start HA-BP1
0700	End of shift

ACTIVITY

Day shift

DATE

12/7/21

TIME	REMARKS
0700	Cados on shift Tank Levels: S ₁ :36.5, S ₂ :36.5, Red Hill:28.5, CS:13.6 NCTAM 14.1, CU:9.8
0742	Tag out Red Hill Booster #2, NAVY Divers
	Pumps on: Waiawa MP#1, 4: MHD:15.3, PST:71.0
0815	Secure Waiawa MP#4, S:36.6, S ₂ :36.6
0920	Secure Halawa Booster #2, CS:19.2
	T-1 Line Test @ Halawa, Circuit AHKS -Not recommending call in Trouble Ticket: <u>126432</u>
1019	Start Waiawa MP#4, S:35.2, S ₂ :35.2
1041	Salt lake ch water Pressure: 0.0
1205	Reset Waiawa RTU
1440	Secure Waiawa MP#4, S:36.8, S ₂ :36.8
1500	End Shift

ACTIVITY
OAHIAWA SOURCE SHIFT

TIME	REMARKS
1500	ON CALIBRATION ON SHIFT TANK LEVEL: S1/S2 36.8/36.8, REDHILL 27.6 CAMP SMITH 13.7, OAHIAWA 13.8, LEE 9.8 PUMPS ON OAHIAWA MP#1 - PSI 60.8, FLOW 9.5 OAHIAWA BP#1, OAHIAWA BP#1
1535	MINUTE BLOCK 4 BATTERY VOLTAGE 11.40 AMPH
1640	L. HAMILL CALLED TO GUIDE ME TO TROUBLE SHOOT T-1 LINE (HALAWA AND REDHILL T-1 BACK TO SERVICE)
1650	STATION CHECKS: CC2 C.2 DAE C.6.5, CHECKING TANK 430GAL
1700	CALLED APT TO CHECK TICKET FOR HALAWA AND REDHILL T-1 LINE PER L. HAMILL
1710	TURND ON OAHIAWA MP#4 - S1/S2 35.3/35.3
1805	HICKAM PORTER AVE RTU 30 FAILURE
1815	MERRY POINT MOTOR RTU 21 FAILURE
2000	ADDED FLUORIDE
2025	TAKE VIBRATION READING
2140	TURND ON HALAWA BP#2 - CAMP SMITH 13.2
2240	SECURED OAHIAWA MP#4 - S1/S2 36.8/36.8
2300	END OF SHIFT

ACTIVITY Waianua 3rd shift

DATE 12/7/21

TIME	REMARKS
2300	D. Pavesi in
-	Waianua WIP 1 on 61 psi 9.6 MGPD
	CL 41 NAF. 58
-	HALAWA B2 on
	TANK LEVELS
	SA 36.7 / RA 26.7 / CS 13.9 / NT 13.7 / LL 9.9
2400	CL 41 NAF. 58 / 2448 STOP HALAWA B2
0100	CL 42 NAF. 57
0200	CL 44 NAF. 57
0300	CL 46 NAF. 56
0400	CL 49 NAF. 56 / 0437 START WAIANUA WIP 4, HALAWA B2 & RA B2
0500	CL 43 NAF. 56
0600	CL 43 NAF. 56 / 0615 STOP HALAWA B2 / 0620 STOP RA B2
0700	D. Pavesi OUT

ACTIVITY
 WAIANA SECURED SHIFT

DATE
 08 DEC 2021

TIME	REMARKS
1500	B CALMPDOWN ON SHIFT
	TANK LEVEL: S1/S2 35.2/35.1, RED HILL 27.6 CAMP SMITH 13.8, OCTAMS 14.1, LLL 9.7
	PUMPS ON: WAIANA MP#1 PSI 60.6, MUD 9.6 MOANAWA BP#1, OCTAMS BP#1
1515	TURNED ON WAIANA MP#4
1550	CAME FROM CJO PICKED UP MEDIA CONVERTER FROM LINAMILI OFFICE
1730	TWO VIBRATION READING
1915	HICKAM PORTER AVE RTU 36 COMM FAILURE
1930	SALT LAKE PRESSURE 0.0 PSI
1945	STATION CHECKS: CL2 0.4 DAF 0.51, ADD FLUORIDE CHLORINE TANK 495 GALS, REPLACED TBE ON CHLORINE PUMP
	OCTAMS DEEPWELL PUMP ALARM
2125	TURNED ON WAIANA BP#2 - CAMP SMITH 13.2
2250	SECURED WAIANA MP#4 - S1/S2 36.7/36.8
2300	END OF SHIFT

ACTIVITY

Waianua 3rd Shift

DATE 12/8/21

TIME

REMARKS

2300 D. Paresa on
- Waianua MP 1 on (Ops) 9.6 W460
CL 70 NAF 47
- HALAWA B2 on
TANK LOSES
SA 36.6 / RH 26.6 / CS 14.1 / NCT 14.0 / LL 9.7
2400 CL 70 NAF 47 / 2433 STOP HALAWA B2
0100 CL 74 NAF 46
0200 CL 70 NAF 46
0300 CL 80 NAF 45
0400 CL 82 NAF 45 / START HALAWA MP 4
0500 CL 82 NAF 43
0600 CL 74 NAF 43 / START HALAWA & RH B2

0700 D. Paresa on

ACTIVITY DAY SHIFT

DATE 12/9/21

TIME	REMARKS
830	STATION CHECK.- CL2 1.3, Nat .62 CHLORINE TOTES 1st LBS 55 GMS, 2nd FULL
	WAIKAWA - MP#1 #4 ON, PSI 69.8, MGD 18.2 KOO HIKU - PSI 28.8, CL2 .35, Nat .34 HAWALEA - DP#2 SECURED, PSI 17.8, CL2 .3, Nat .34 MOANALUA - RP# 1 ON, PSI 74 MOANAI - RP# 1 ON, CL2 .7, Nat .7
	TANK LVL - S1 34.3' / S2 34.3', RA 28.2', CS-14.9' MOANAI - 14', ULL 9.8'
900	ADJUST CHLORINE PUMPS TO .7
1306	RTU 22, 23, 26 COM FAILURE
1310	CALLED ANDY ANDY TO CHECK OUT ULL RTU.
1500	END SHIFT.

ACTIVITY Waiawa 3rd shift

DATE 12/9/21

TIME	REMARKS
2300	D. Pavesi W - Waiawa LLP HCl on 69psi 19.2 L460 CL 56 NAF 58
	TANK LEVELS SI 35.1 / RH. 26.4 / C.S. 13.9 / NAF 13.3 / LLL 9.9
2400	CL 57 NAF 58
0100	CL 60 NAF 58
0200	CL 60 NAF 60
0300	CL 62 NAF 60
0400	CL 62 NAF 60 / Add Fluoride
0500	CL 64 NAF 60
0600	CL 76 NAF 58
0700	D. Pavesi 0267

ACTIVITY
Day Shift

TIME	REMARKS
0700	Carlos on Watch Tank Levels: S ₁ 33.7, S ₂ 33.6, Red Hill 28.2 CS: 13.3, NCTAM: 13.7, ULL: 9.8 Pumps on: Waiawa MP #1, 4: MGD PST
0800	Red Hill Booster #2 Tagged out Station check C-1.0, F: .58, Add 5016 Fluoride Adjust stroke of chl ₂ Pump
1019	Start Halawa BP #1, CS: 13.0
1350	Secure Waiawa MP #4, S ₁ : 36.6, S ₂ : 36.6
1415	Secure Halawa Booster #1, CS 14.5
1500	End Shift

DAILY LOG

14ND PWC 9 11300741 (5-69)

SHEET NO

ACTIVITY

SLING SHIFT

DATE

12/10/21

TIME	J. MATTO	REMARKS
1525	WAIANA - MP #1 OM, PSI 61.3, MOD 9.6, CU2 1.81, Nat .56	
	HEAD HILL - PSI 29.7, CU2 .27, Nat .58	
	HAKA... MOANA WA - PP #1 OM, PSI 74	
	MOTAMS - PP #1 OM, PSI 65	
	TANK CUS - S1 36' / S2 36', P24 27.5', CS 14.9'	
	MOTAMS 13.7', CUC 9.8'	
1530	STATION CHECK. FILL UP CHLORINE TOWERS	
	1 st FULL 2 nd 275 GAL	
1633	WAIANA - MP #4 OM.	
1650	HEAD DOWN TO PUMP RM	
1700	CHRS LEFT.	
1910	WAIANA - MP #4 SECURED.	
2100	NI-BY - PATGEY LO ALARM.	
2200	VIBRATION CHECK.	
2210	WAIANA - MP #4 OM.	
2230	WAIAN FORWARD FLOW HI (RTU31)	
2300	END SHIFT.	

DAILY LOG

14ND PWC 9 11300-41 (5-69)

SHEET NO

ACTIVITY

Waianua 3rd shift

DATE

12/10/21

TIME	REMARKS
2300	D. Parker in - Waianua MP 1st cl / 71pi 18WGD CL 60 NAF 52
	TANK LEVELS SI 354 / RH 26.8 / CS 139 / NT 138 / LL 9.8
2400	CL 60 NAF 52
0700	CL 61 NAF 52 / 0123 STOP WAIANUA MP4
0800	CL 61 NAF 52
0300	CL 63 NAF 52 / Adul Fluoride
0200	CL 64 NAF 52
0500	CL 62 NAF 52 / START RH B2 + Hercules B7
0600	CL 62 NAF 54
0700	D. Parker out

ACTIVITY DAYSHIFT

DATE 11 DEC 21

TIME	REMARKS
0700	A. PALLINO ON SHFT. 5 HRS OT
	WAIHUA MP1 ON-LOPPI, 9.109 MAG ON-2X GWS. C/S. #1.
	NASHUA BOOSTER #1 ON- SUCTION 29 PSI, DISCHARGE - 70 PSI
	NASHUA BOOSTER #1 ON- SUCTION 13.9 PSI, DISCHARGE 105 PSI
	LUALABA MOUNTAIN BOOST - 33 MAG. ON- 0.8
	-TANK LEVELS : S/S2 - 34/34.1, REDHILL - 28.3, CP. JMWTH - 14.5,
	NASHUA - 13.1, LUALABA - 9.8.
	CHECKED STATION, ADDED 1 BAG FLUORIDE, ADJUSTED CHLORINE
0850	STARTED WAIHUA MP4, CHECKED PUMP ROOM
1405	SECURED WAIHUA MP4 TANK 36.5
1500	OUT A LUALABA S/D AS 21.2

DAILY LOG

14ND PWC 9 11300-11 (5-69)

SHEET NO

ACTIVITY

DATE

Waianua swing shift

12/11/21

TIME

REMARKS

1500 - B. Vogt

Waianua m/p 9.60 MGD 62.1 PSE

Redhill off

Halawa off

NETANS off

Lualualei off

SI/52 36.2 Redhill 27.7 camp 5A 14.2

NETANS 13.1 LLL 9.8

1639 start waia-mp4 SI/52 35.5 ft

1706 stop waia-mp4 it showed only 90.50 MGD

1720 Restart waia-mp4 SI/52 35.3 ft

no MGD flow from pump w/

1742 stop waia-mp4 PCV Valve not closing all the way, Leon, Anely and Flynn Troubleshooting

2005 SI/52 34 ft

2010 start HA-BP2

2105 Redh-BP2 remove LOTO start Redhill booster pump

2153 stop HA-BP2

2209 stop Redh-BP2

2300 Leon, Anely, Flynn Troubleshooting waia-mp4 no flow

End of shift

DAILY LOG

14ND PWC 9 113007-11 (5-69)

SHEET NO

ACTIVITY

Waiaawa 3rd shift

DATE

12/11/21

TIME

REMARKS

2300 D. Parson in * FG, LH, AN. in working on Waiawa WUP 4 pu
- Waiaawa WUP 1+4 on (10.5) (10.5) (10.5)
- TANK LOGS

SL 32.3 / RH. 28.5 / C.S. 14.7 / MT 14.9 / LU 9.8

~~0240~~ CL 64 N+F. 54

0300 CL 64 N+F. 54 / Help team with chlorine on WUP 4

0330 CL 64 N+F. 54 / removed Damaged Diaphragm

0350 CL 64 N+F. 54 / LH, AN, FG OUT

0400 CL 68 N+F. 54 / Add Fluoride

0500 CL 66 N+F. 54

0600 CL 46 N+F. 54

0700 D. Parson on

ACTIVITY
WAHAWA SWIRE SHIFT

TIME	REMARKS
1500	B CALIMPORA, C NARIMATSU, A PAULINO ON BOARD
	TANK LEVEL: S1/S2 25.9/26.0, REDHILL 2 CAMP SMITH 13.9, OCTAMS 14.0, ALL PUMPS ON: WAHAWA MP#1, MOANALUA BP#1 OCTAMS BP#1
1755	TURNED ON MP#4 WAHAWA - PSI 66.9, MHD 1
1810	SECURED WAHAWA MP#4 FOR TEST PURPOSE
1820	TURNED ON WAHAWA MP#4 - PSI 66.1, MHD 1
1850	WAIAU METER FWD FLOW 8.510 HI ALARM
1930	TAKE VIBRATION READING
2005	STATION CHECKS: CL2 0.7 NAF 0.49, ADD FLUOR CHLORINE TANK 400 GALS
2300	END OF SHIFT

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

ACTIVITY

WAIANA SWING SHIFT

DATE

13 DEC 2021

TIME	REMARKS
1500	B CALIMPOKA ON SHIFT PWD LEVEL: S1/S2 36.3/36.3, RED HILL 27.9 CAMP SMITH 14.8, NCTMS 14.2, ULL 9.8 PUMPS ON: WAIANA MP#1 - PSI 61.8, MUD 9.621 MOKAUAIA BP#1 - SUCTION 31PSI, DISCHARGE 74 NCTMS BP#1 - SUCTION 13.8, DISCHARGE 65.4
1720	TURNED ON WAIANA MP#4 - S1/S2 35.1/35.2
1750	STATION CHECKS: CL2 0.7 WAF 0.31, CHLORINE 6.60 GPM
1856	TAKE VIBRATION READING
2105	SECURED WAIANA MP#4 - S1/S2 34.7/34.7
2150	ADD FLUORIDE
2300	END OF SHIFT

ACTIVITY

Waianua night shift

DATE

12/13/21

TIME

REMARKS

2300 E. Vagt

Waianua NPI 9.64 MGD 61.5 PSI
 Redhill off
 Halawa off
 NCMANS off
 Luahalei off

SI/52 35.7 Redhill 22.1 Camp 5A 14.4
 NCMANS 13.3 LLL 9.8

2312 NR-B4-R42-com RTU-communic fail
 0040 start Waia-NP4 SI/52 35 ft
 0150 NR-B4-R42-com RTU comm fail
 0355 stop Waia-NP4 SI/52 37.1 ft
 0415 start Redh-BP2
 Add 1 bag fluoride
 0529 stop Redh-BP2
 0700 End of shift

ACTIVITY **WAIMANA SCIENCE SHIFT**

DATE **14 DEC 2002**

TIME	REMARKS
1500	B CALIMPODIE ON SHIFT TAKE LEVEL: S1/S2 34.6/34.6, REDHILL 27.8 CAMP SMITH 13.2, DETAMS 14.0, LL PUMPS ON: WAIMANA MP#1 - PSI 60.0, MGD 9.6 MOKAIAA BP#1 - SUCTION 30 PSI, DISC DETAMS BP#1 - SUCTION 14.1, DISCHARGE
1530	TURNED ON WAIMANA MP#4 TURNED ON HALAWA BP#2 - CAMP SMITH 13.2
1700	F GARCIA CALLED STATING REDHILL BOOSTER IS SHOULD REMAIN SHUT FROM 0600 - 2100 DAILY
1730	TAKE VIBRATION READING
1800	STATION CHECKS: CL2 0.7 WAF 0.35, CHLORINE 4
1815	SECURED HALAWA BP#2 - CAMP SMITH 14.5
1920	ADDED FLUORIDE, TRANSFERRED REMAINING CHLORINE TANK 660 GALS
2045	SECURED WAIMANA MP#4 - S1/S2 36.8/36.8
2300	END OF SHIFT

ACTIVITY

Waianua 3rd Shift

DATE 12/14/21

TIME	REMARKS
2300	D. Pargen N - Waianua MP 1 on CLP1 9.6MGD CL 68 NTF 54
	TANK LEVELS S1 35.3 / PH. 27.1 / C.S. 14.4 / M4 13.9 / LL 9.7
2320	WAIANUA-MP4-PCV-STPRT PCV OPEN/FAIL TRIP, went down to pump room and tried to reset but not working (TANKS @ 35.2) will fix tomorrow when tank drops.
2400	CL 68 NTF 54
2700	CL 67 NTF 54
2800	CL 72 NTF 54 / tried to reset switchgear RTU & Pump room but didn't take, went back down and played with Purge valve micro switches and alarm reset, had to put cardboard between bulb and top micro switch and started MP 4 manually
	Tanks @ 33.9
0300	CL 60 NTF 54
0400	CL 60 NTF 54 / Added Fluoride
0500	CL 62 NTF 54
0600	CL 62 NTF 54
0700	D. Pargen out

ACTIVITY DAY SHIFT

DATE 12/15/21

TIME	J. NATTO	REMARKS
735	WAIANA - MP #1 ON, PSI 61.8, MAG 9.5, CL2 .60, Nat .54	
	WAIANA MOANA WA - MP #1 ON, PSI 74	
	NCTAMS - MP #1, PSI - 65.2, CL2 .78, Nat .75	
	ULL - CL2 .85	
	TANK CULS - S1 36.4 / S2 36.3, PA 26.3 , CS 13.8	
	NCTAMS 13.6, ULL 9.5	
815	STATION CHECK, CL2 .7, Nat .67	
	CHROMIC 10765 1st 20, 2nd FULL.	
940	HEADED DOWN TO PUMP RM.	
1020	Back.	
1500	END SHIFT.	

ACTIVITY

WAIANA

DATE

15 DEC 2021

TIME	REMARKS
1500	@ CALIMPOUT ON SHIFT TANK LEVEL: SI/S2 33.3/33.2, REDHILL 25.6 CAMP SMITH 13.3, OCTAMS 13.0, LL 9.4 PUMPS ON: WAIANA MP#1 - PSI 60.4, MGD 9.6 MOANALUA BP#1 - SUCTION 29 PSI, DISCHARGE 72 OCTAMS BP#1 - SUCTION 13.5, DISCHARGE 65.1
1520	TURNED ON WAIANA BP#2 - CAMP SMITH 13.2 TURNED ON LL DEEPWELL - LL TANK 9.4
1540	STATION CHECKS: CL2 0.7 MAF 0.36, CHLORINE TANK
1600	RECEIVED CHLORINE FROM BE1 (DUE TOFB)
1720	A PAULINO BACK FROM REDHILL (RED HILL BP#2 TURNED ON ACCIDENTALLY)
1740	TAKE VIBRATION READINGS
1810	SECURED WAIANA BP#2 - CAMP SMITH 14.5
2005	ADDED FLUORIDE
2040	TURNED ON WAIANA MP#4 - SI/S2 30.1/30.2
2105	SECURED LL DEEPWELL - LL TANK 9.8
2125	UNTAGGED REDHILL BP#2 AND TURNED ON PUMP REDHILL TANK 25.0
2300	END OF SHIFT

ACTIVITY Waianan 3rd shift

DATE 12/15/21

TIME	REMARKS
2300	D. Paveson in
-	Waianan 1st 14 on 67psi 192160 CL. 62 NAT. 56
-	RH B2 on
	TANK LEVELS
	ST 31.4 / RH. 27.6 / CS. 14.3 / NET 14.2 / LL 9.9
2400	CL. 62 NAT. 56 / 12420 stop RH B2
0700	CL. 62 NAT. 56
0800	CL. 61 NAT. 55
0900	CL. 60 NAT. 54
0400	CL. 60 NAT. 54 / Add Fluoride
0500	CL. 60 NAT. 54 / 0530 TAGED OUT RH B2 5327 @ 28.5
0600	CL. 62 NAT. 54
0700	D. Paveson out

ACTIVITY

DAY SHIFT

DATE
 12/16/21

TIME	J. MATTO	REMARKS
730		STATION CHECK - CC2 .7, Nat .56, CHLORINE TOTES 1 st 275, 2 nd FULL
		WAIANA - MP #1, #4 OK, PSI 69.8, M60 18.0 MOANA WA - BP #190M, PSI 75 MOAAMS - BP #1 OK, PSI 61.2
		TANK CULS - S1 36.4' / S2 36.4', RH 28.1', OS 13.8' MOAAMS 14.3', 'CC 9.8'
735		VIBRATION CHECK
745		WENT DOWN TO PUMP RM TO TURN OFF MP #4.
1400		WENT DOWN TO HELP KAMMID
1600		END SHIFT 1 HR OT,

ACTIVITY

Waiawa swing shift

DATE
12/16/21

TIME	REMARKS
1500	B. Vogt & Ben Calimpang
	Waiawa MP1 9.70 MGD 59.5 PSE Redhill off Halawa off NUTANS off Kualalei off
	S1152 32.7 Redhill 27.3 Camp SM 13.2 NUTANS 13.5 LLL 9.5
1527	start Waiawa-MP4 S1152 32.7ft
1600	start LH-DW-MP1
1731	start HA-BP2
	Add 1bg fluoride
2115	stop HA-BP2
2116	start Redh-BP2
2200	stop LL-DW-MP1
	Redhill booster pump not working the MGD will rise and then drop to zero and the booster pump would run and then shut down and then come back on
2300	End of shift End of shift

ACTIVITY Waianan 3rd Shift

DATE 12/16/21

TIME	REMARKS
2300	D. Parson in
	- Waianan MP 144 on 71psi 18.0 MGD a. 60 NAF. 64
	- TANK LEVELS SI 36.3 / Rtl 26.7 / CS. 14.8 / MT 14.7 / LL 9.9
2325	TAG OUT Rtl B2
2400	CL. 60 NAF. 64 / 2419 STOP Waianan MP4
0100	CL. 62 NAF. 63
0200	CL. 65 NAF. 63
0300	CL. 64 NAF. 60 / Added Fluoride
0400	CL. 60 NAF. 60
0500	CL. 64 NAF. 60
0600	CL. 64 NAF. 60
0700	D. Parson out

ACTIVITY

Waiana swing shift

DATE

12/17/21

TIME

REMARKS

1520 E. Vest

Waiana MPI #4 17.97 MGD
 Redhill off
 Halawa off
 NCT&MS off
 Luakalei off

51/32 36 Redhill 24.2 camp SN 13.7
 NCT&MS 13.9 LLL 9.4

1517 start LL-DW-MPI-35

1550 LL-TK-R41-com RTU comm alarm

1538 LL-213-R26-com RTU comm alarm

1552 LL-DW-R23-com RTU comm alarm

Polled RTU sites at 6LLy. ~~RTU's~~ RTU's up

1718 stop waia-MPI4 31/52 37.2 ft

2004 start HA-BP2

2101 start Redh-BP2 - Lockout removed

2216 start waia-MPI4 31/52 33.9 ft

2218 stop LL-DW-MPI

2237 stop HA-BP2

2300 End of shift

ACTIVITY

2ND SHIFT

REMARKS

TIME	REMARKS
12:00	A. PERMILIA OIL SHIFT FOR D. PARSZA. 8 HRS. AT
	WALAW MP #1, #1 ON - 10.0 PSI, 1B, 2M612, CUL TK 420 GAL, CUL .80, FLOW .50
	MOBILWA BOOSTER #1 ON - SUCTION 30 PSI, DISCHARGE 74 PSI
	NOVAMS BOOSTER #1 ON - SUCTION 10.0 PSI, DISCHARGE 105.1 PSI
	REDUCE BOOSTER #2 ON .79 MAG
	TANK LEVELS: 21/SZ-340/340, RECHIN-20.0, CP. SMITH-14.0,
	NOVAMS: 10.0, LUALABA-9.8
	CHECKED SYSTEM, ADDED 1 BAG FLUORIDE, CHECKED PUMP ROOM
12:00	MEET. ROOM
01:45	SECURE REDUCE BOOSTER
03:00	VIBRATION READINGS TAKEN
03:25	SECURED WAWAT MP #1 TANK 36.5
05:15	STARTED HALAW BOOSTER #2 TANK 14.9
05:15	SECURED HALAW BOOSTER #2
	LOTO OUT ON REDUCE BOOSTER #2 - DIVERS IN WELL
07:00	END OF SHIFT

ACTIVITY

Waiawa swing shift

DATE

12/18/21

TIME

REMARKS

1500 B. Vest

Waiawa m/p 9.68 MG-D 60.7 PSL
Redhill off
Halawa off
NcTXNS off
Luakalei off

51/52 34.3 Redhill 27.8 camp sm 14.0
NcTXNS 13.5 LLL 9.5

1525 start L6-DW-MPI-SS

1645 start Wai-m/p 51/52 33.5-ft
Add 1 bag fluoride

2131 Remove LOTO and start Redhill Res

2241 stop Redh-BP2 TAG LOTO
Filled chlorine Tanks

2300 End of shift

1700 Leon & Andy left Waiawa
Leon has his LOTO on pump 3 Waiawa

ACTIVITY

Waiawa night shift

DATE
12/18/21

TIME

REMARKS

2300 E-Vogt

Waiawa mpl 44 18.12 MGD 70.5 ps

Rdhill off

Hakawa off

NCTXNS off

Lualualei mpl on

51/32 35.8 Rdhill 28.7 camp 5M

NCTXNS 14 LLL 9.9

2303 stop Lh-DW-mpl-55

Add fluoride

0120 stop waia-mpl m

0341 power bump, shut down mpl waia

0347 start Waiawa mpl 51/32 35.8

Small generator started, but after

15 mins generator shut off

0355 Re-started waia-mpl because the

switch gear tripped from the power b

0400 Waiawa mpl 44 online, running good

0700 End of shift

ACTIVITY

WAIANA DAY SHIFT

DATE

19 DEC 2021

TIME	REMARKS
0700	B CALIMPONIA ON SHIFT - C. NARIMATSU / G. CARLOS ON BOARDS TANK LEVEL: S1/S2 36.8 / 36.7, REDHILL 27.9 CAMP SMITH 13.8, OCTAMS 13.3, ULL 9.7 PUMPS ON: WAIANA MP#1 - 61.1 PSI, MID 9.58 MOANALUA BP#1, OCTAMS BP#1
0810	MOSES P FROM PP#2 WATCH OFFICE CALLED MOANALUA STATION'S GATE IS REPORTED OPEN BY A CIVILIAN
0820	STATION CHECKS: CL2 0.2 VAF 0.54, CHLORINE 330 GALS
0825	HEADING OUT TO MOANALUA TO SECURE GATE
0900	BACK FROM MOANALUA
0950	WAIANA X51 VIBRATION ALARM
0955	TAKE VIBRATION READINGS
1240	TURNED ON WAIANA MP#4 - S1/S2 34.3 / 34.3
1445	C. NARIMATSU / G. CARLOS OUT
1500	END OF SHIFT

ACTIVITY

WAIANA SWING SHIFT

DATE

19 DEC 2021

TIME	REMARKS
1500	B CALMPODIA ON SHIFT TANK LEVEL: S1/S2 35.6/35.6, BOD HILL 27.3 CAMP SMITH 13.6, NCTAMS 14.7, LLL 9.4
	PUMPS ON: WAIANA MP#1 AND #4 - PSI 69.5, MID 18.15 MOANALUA BP#1 - SUCTION 31 PSI, DISCHARGE 75 NCTAMS MP#1 - SUCTION 14.5, DISCHARGE 65.3
1550	TANK VIBRATION RESPIRE
1710	SERVED WAIANA MP#4 - S1/S2 36.7/36.7
1845	STATION CHECKS: CL2 0.71 NAF 0.57, ADD FLUORIDE TRANSPORTED REMAINING CHLORINE - CHLORINE 630 GAL
2110	NIMITZ BLDG 4 RTU 42 COMM FAILURE TURNED ON WAIANA MP#4 - S1/S2 34.1/34.1 NIMITZ BLDG 4 RTU 42 BACK ONLINE
2250	TURNED ON HALOWA BP#2 - CAMP SMITH 13.3
2300	END OF SHIFT

ACTIVITY

Waiawa night shift

DATE

12/19/21

TIME

REMARKS

2300 En Vest

Waiawa mpl # 4 18.18 MG-D 70.3 PSI
 Redhill off
 Halawa off
 NCTANS off
 Lualualei off

51/32 34.8 Redhill 26.6 camp SM 13.3
~~NCTANS~~ 14 LLL 9.5

0241 start LL-DW-mpl LLL Tank Level 8.9ft

0252 stop HA-BP1

0332 stop Waiawa-mpl 51/32 37.1 ft

0333 Lualualei Tank LVL 8.4ft

~~0347~~ called Alfred about LLL Tank Level 8.3

~~0352~~ 0349 called EDO need to bring in pipe fitters

0355 called emergency desk for Lualualei

0410 Lualualei Tank Level 8.1

0425 LLL Tank LVL 8.0ft

0434 start Redh-BP2 Removed LOTO

0440 LLL Tank LVL 7.8ft

0455 LLL Tank 7.6ft

0513 LLL Tank 7.5ft

0530 LLL Tank 7.3ft

0547 LLL Tank 7.1ft

0605 LLL Tank 7.0ft

0624 LLL Tank 6.8ft

0629 stop Redh-BP2

0640 LLL Tank 6.6ft

0655 LLL Tank 6.6ft

0700 End of shift

ACTIVITY
WAIANA SWIDGE SHIFT

DATE
20 DEC 2021

TIME REMARKS

1500 B CAMPONIA ON SHIFT
 TANK LEVEL: S1/S2 36.0/36.0 REDHILL 24.8
 CAMP SMITH 19.0, OCTAMS 14.0, LLL 3.7
 PUMPS ON: WAIANA MP#1 AND MP#4 - PSI 67.4, MGD 18.5
 LLL DEEPWELL - PSI 31.7, MGD 0.20
 MONAUA BP#1 - SUCTION 31, DISCHARGE 74 PSI
 OCTAMS BP#1 - SUCTION 14.0, DISCHARGE 65.2 PSI

1615 STATION CHECKS: CL2 0.7 PAF 0.5, CHLORINE 495 GALS

1755 CALLED A. PAULINO TO INFORM REDHILL TANK LEVEL 23"
 HE STATED THAT REDHILL BP#2 CAN BE UNLOCK AND
 RUN @ 1930
 - REDHILL TANK LEVEL AND RTUX 29 ALARM

1815 TANK VIBRATION READING

1945 UNLOCKED AND TURNED ON REDHILL BP#2 - REDHILL 22.8

2100 ADDED FLUORIDE

2300 END OF SHIFT

ACTIVITY *Waiawa night shift*

DATE *12/20/21*

TIME	REMARKS
<i>2300</i>	<i>En Vegt</i>
	<i>Waiawa .mp1 & 4 18.30 MG-D 69.4</i>
	<i>Redhill off</i>
	<i>Halawa off</i>
	<i>N&TAMS off</i>
	<i>Lualualei mp1 .230 MG-D 30.8 psl</i>
	<i>51/52 35.6 Redhill 27.3 camp SM 13.5</i>
	<i>N&TAMS 12.9 LLL 4.5</i>
<i>2340</i>	<i>stop Redh-BP2</i>
<i>0445</i>	<i>stop waia-mp4 51/52 37ft</i>
<i>0447</i>	<i>start Redh-BP2</i>
<i>0542</i>	<i>stop Redh-BP2 TAG LOTO</i>
<i>0627</i>	<i>start HA-BP1</i>
<i>0638</i>	<i>start waia-mp4 51/52 35.5ft</i>
<i>0700</i>	<i>End of shift</i>

WAIAWA SWING SHIFT

21 DEC 2021

TIME

REMARKS

1500 B CALAMPONG OD SHIFT
 TANK LEVEL: S1/S2 - 34.1/34.0, REDHILL 21.8
 CAMP SMITH 14.7, OCTAMS 13.9, LLL 6.2
 PUMPS ON: WAIAWA MP#1 - PSI 61.2, MGD 9.7
 LLL DEEPWELL - PSI 31.7, MGD 0.289
 REDHILL BP#2 - MGD 0.796
 MOANALUA BP#1 - SUCTION 28, DISCHARGE 68 PSI
 OCTAMS BP#1 - SUCTION 13.8, DISCHARGE 65.3
 1620 STATION CHECKS: CL2 0.7 WAF 0.46 CHLORINE TANK 385 gal
 1730 TAKE VIBRATION READING
 1910 L. HAMILI, A UGUYEN AND K SEMINARA SIGNED OUT
 2000 TURNED ON WAIAWA MP#4 - S1/S2 29.8/29.7
 2100 ADDED FENOXIDE

 2300 END OF SHIFT

TIME	REMARKS
2300	B CALIMPORE ON SHIFT TANK LEVEL: S1/S2 29.9/29.9, RED HILL 21.8 CAMP SMITH 14.4, OCTAMS 13.1, LL 7.1 PUMPS ON: WAIANA MP#1 AND MP#4 - PSI 66.3, MGD 18.4 LL DEEPWELL - PSI 31.2, MGD 0.292 RED HILL BP#2 - 0.795 MGD MOANALUA BP#1 - SUCTION 25 PSI, DISCHARGE 57 OCTAMS BP#1 - SUCTION 13.0, DISCHARGE 65.2 - PUMP MASTER ALARM
2400	TANK MASTER READING
0025	STATION CHECKS: CL2 0.7 NAF 0.5, CHLORINE TANK 355 gal
0215	SECURED WAIANA MP#4 - S1/S2 30.2/30.2
0425	ADDED FLUORIDE, TRANSFERRED CHLORINE
0430	TANK VIBRATION READING
0440	CLEANERS ARRIVED
0505	TURNED ON WAIANA MP#4 - S1/S2 28.0/28.0
0640	RTU 31 ALARM FWD-FLOW 8.510
0700	END OF SHIFT

WAIANA SWING SHIFT

TIME	REMARKS
1500	B CALLING ON SHIFT TANK LEVEL: S1/S2 28.3/30.2, REDHILL 21.8 CAMP SMITH 13.4, OCTAVUS 14.2, LL 8.7 PUMPS ON: WAIANA MP#1 AND #4, PSI 67.8, MGD 18.29 LL DEEPWELL - PSI 31.2, MGD 0.289 REDHILL BP#2 - MGD 0.795 MOANALUA BP#1 - Suction 26 PSI, DISCHARGE 50 OCTAVUS BP#1 - Suction 13.9, DISCHARGE 65.3
1525	USGS CALLED FOR ACCESS TO HALAWA STATION TOMORROW (23 DEC 2021) @ 0830
1550	STATION CHECKS: CL2 0.7, NAF 0.54, CHLORINE TANK 66.0 GMS
1555	SECURED WAIANA MP#4 - S1/S2 28.3/30.5
1600	TURNED ON WAIANA MP#3 - MGD 19.10
1755	J NBTAL CALLED TO INFORM THAT OPERATOR MUST CALL AIRMAN/SERGEANTS @ 808 726 4062 2 FT BEFORE AND ON CONTACT LEVEL.
1805	SECURED WAIANA MP#3 (FAILED REMOTELY)
1815	TURNED ON WAIANA MP#4 - S1/S2 28.3/31.4
2000	TAKE VIBRATION READING
2110	ADDED FLUORIDE
2130	TURNED ON HALAWA PP#2 - CAMP SMITH 12.9
2300	END OF SHIFT

ACTIVITY

WAIANA MID SHIFT

DATE

22 DEC 2021

TIME	REMARKS
2300	B CALIMPONG ON SHIFT TANK LEVEL: S1/S2 28.3/32.3, REDHILL 21.8 CAMP SMITH 13.6, NCTAMS 13.4, LLL 9.6 PUMPS ON: WAIANA MP#1 ADD #4 - PSI 67.6, MQD 18.2 LL DEEPWELL - PSI 31.2, MQD 0.285 REDHILL BP#2 - MQD 0.796 HALAWA BP#2 - PSI 356.2, MQD 1.2 MOANALUA BP#1 - SUCTION 30, DISCHARGE 74 PSI NCTAMS BP#1 - SUCTION 13.9, DISCHARGE 65.5 PSI
0400	TAKE MOTORING READING
0035	SECURED HALAWA BP#2 - CAMP SMITH 14.5
0050	STATION CHECKS: CL2 0.8 NAF 0.52, CHORINE TANK 610 GALS
0110	SECURED LL DEEPWELL - LL TANK 9.8 S2 TANK LEVEL 34.0 FT - CALLED AND UPDATE SEABEES
0145	COLLECTED CHARTS
0250	TAKE VIBRATION READING
0340	S2 TANK LEVEL 36.1 - CALLED AND UPDATE SEABEES
0345	SECURED WAIANA MP#4
0415	ADDED FLUORIDE
0700	END OF SHIFT

ACTIVITY

DAY SHIFT

TIME	REMARKS
1100	J NATTO WAIANA - MP #19 OK, PI - 76.2, MGD 17.9, CL2 7, Nat 58 ICEA HIL - BP #2 OK, CL2 55, Nat 34 MOANA WA - BP #10M, PI 70 MCWAMS - BP #1 OK, PI 65.3, CL2 183, Nat 160
1500	END SHIFT.

ACTIVITY Waiana'a swing shift

DATE 12/23/21

TIME	REMARKS
1500	E. Vogt 4 B CAMPONG
	Waiana'a mp 14.4 18.18 MG-D 69.5 PSI Redhill off Halawa off NUTANS off Luahalei off
	51/32 32 ft Redhill 21.8 Camp 5M 13.5 NUTANS 13.6 LLL 9.8
1706	called for 52 Tank at 34 ft
1900	start HA-BP2
0956	called for 52 Tank 36'
0957	stop waia-mp 52 36 ft Add 1 bg fluoride
2125	stop HA-BP2
2300	END OF SHIFT

23 DEC 2021

WAIANA MID SHIFT

REMARKS

2300 B. CALIMPOJA
 TANK LEVEL: S1/S2 28.8 / 31.2, DETHILL 21.8
 CAMP SMITH 14.5, OCTAMS 14.1, LLC 9.8
 PUMPS ON: WAIANA MP#1 - PSI 58.6, MGD 9.8
 MOANALUA BP#1 - SECTION 24, DISCHARGE 57
 OCTAMS BP#1 - SECTION 14.2, DISCHARGE 65.4

2350 S2 TANK LEVEL 29.8 - CALLED AND UPDATED SEABEES

0035 TAKE VIBRATION READING

0056 S2 TANK LEVEL 28.0 - CALLED AND UPDATED SEABEES

0100 TURNED ON WAIANA MP#4

0420 STATION CHECKS: CL2 0.7 NAFO.01, ADDED FLUORIDE
 CHLORINE TANK 480 GALS

0700 END OF SHIFT

ACTIVITY Waianua 1st shift

DATE 12/24 KI

TIME	REMARKS
0700	D. Pavesa in
	- Waianua 1st ON 70% 18-17 MGD CL 60 NAF. 57
	- RH B2 ON (7ED) .797 MGD
	TRUCK LEVELS
	S2 34.0 / RH 21.8 / C.S. 14.1 / NAF 13.6 / MGD 9.8
0800	CL 70 NAF 57 / S2 @ 35.0
0900	CL 70 NAF. 57 / S2 @ 32.0 / 0911 called Sabra about tank level
1000	CL 70 NAF. 57
1100	CL 80 NAF. 58 / 1125 RTU 16 DOWN and all RTU Tied to S7 RTU dropping out
1130	called L.H./A.P. to notify of S7 coming issue and was instructed to call in A.N., called Andy and he will respond.
1140	called CDO to authorize recall and notify of situation
1200	CL 70 NAF. 60 / Added Fluvicide
1300	CL 90 NAF. 90 / *Andy IN in @ 1300 / 1340 STARTED WORKING and notified Annamark
1400	CL 70 NAF. 74 / 1430 Andy IN out called CDO to meet

DAILY LOG

14ND PWC 9 11300/41 (5-69)

SHEET NO

ACTIVITY

3RD SHIFT

DATE

24 Dec 2021

TIME	REMARKS
1200	A. PARRILL ON SHIFT 3RD D 2000 3 HRS ST
	WARNING MP #1, #4 out - 100psi, 18.12 MAGD, CHL. TR. 3RD GALS, CHL. 70, FLW. 40 MONITOR CURRENTLY ON BWS
	MOBNAWA BOOSTER #1 ON - SURCHARGE 210psi, DISCHARGE 75 psi
	NORMA BOOSTER #1 ON - SURCHARGE 130psi, DISCHARGE 105psi
	LUALABA MONITORIFIED ON - 27psi, 18.12 MAGD, CHL. 93
	REDUCE BOOSTER #2 ON - 197 MAGD
	TANK LEVELS - 81/82 - 29.1/35.4, REDUCE - 22.1, CP. SMITH - 14.10, NORMA - 13.4, LUALABA - 9.8
	CHECKED STATUS
0029	S2 TANK 22.0' - NOTIFIED UT AND SECURED MP #4
0038	WORKING REPAIRS TAKEN
0335	S2 TANK 30.8' - INFORMED DUTY UT
1453	S2 TANK 27.3' NOTIFIED UT UT/ AND SECURED MP #4
1513	END OF SHIFT

ACTIVITY
WAIAWA 301100 SHIFT

TIME	REMARKS
1500	B CAMPORDE CD SHIFT
	TANK LEVEL: S1/S2 32.2/32.3, RED HILL 26.7
	CAMP SMITH 13.6, NCTAMS 12.9, LLL 9.7
	PUMPS ON: WAIAWA MP#1 AND #4 - MGD 18.01, PSI 70.1
	HALAWA MP#3 - MGD 4.20, PSI 71.8
	HALAWA BP#1, RED HILL BP#2, MOANALUA BP#1
	NCTAMS BP#1
	1610 STATION CHECKS: CL2 LI DAF 0.62, CHLORINE 495 GAL
	1645 SECURED RED HILL BP#2 - RED HILL TANK 28.5
	1720 SECURED HALAWA BP#1 - CAMP SMITH 14.5
	1810 TAKE VIBRATION READINGS
	2030 ADD FLUORIDE
	2110 TURNED ON LLL DEEPWELL - LLL CL2 0.20
	2250 SECURED LLL DEEPWELL - LLL CL2 0.56

ACTIVITY
WAIANA SWING SHIFT

TIME	REMARKS
1500	Ⓟ CALIBRATION OF SHIFT TANK LEVEL: S1/S2 34.5/34.0, REDHILL 26.8 CAMP SMITH 13.7, PCTAMS 13.6, CLL 9.8 PUMPS ON: WAIANA MP#1 AND #4 - PSI 68.1, HEAD 18.25, CLL 0.7, WAF 0.5 REDHILL MP#2 - FRESHING PURPOSE MOKAUA BP#1 - SUCTION 30 PSI, DISCHARGE 74 PSI MOKAUA BP#1 - SUCTION 13.8 PSI, DISCHARGE 65.4 PSI
1530	TRANSPORTED FLUORIDE PALLET
1550	STARTED CHECKS: CLL 0.7, WAF 0.61, CHLORINE TANK 620 GAL
1640	REDHILL MP#2 BTMP TEMP 115°F ALARM
1650	REDHILL VIBRATION READING (MP#2) UP VERT 0.38, UP HORIZ 0.17 AXIAL 0.11, LO VERT 0.10, LO HORIZ 0.07, UTMP 117°, BTMP 105°
1945	TANK VIBRATION READINGS
1820	TRANSPORTED REMAINING CHLORINE FROM TOTE
1855	TURNED ON WAIANA BP#2 - CAMP SMITH 12.9
1910	SECURED WAIANA MP#4 - S1/S2 34.5/36.6 D PARESA AND C NARIMATSU SIGNED OUT
2000	L HAMILI, F GARCIA AND A MUYER SIGNED OUT
2025	REDHILL MP#2 VIBRATION READING - UP VERT 0.38, UP HORIZ 0.17 AXIAL 0.11, LO VERT 0.10, LO HORIZ 0.07, UTMP 117°, BTMP 105°F
2110	ADD FLUORIDE
2140	TURNED ON WAIANA MP#4 - S1/S2 34.5/32.7 TURNED ON REDHILL BP#2 - REDHILL TANK 26.1
2210	SECURED WAIANA BP#2 - CAMP SMITH 14.5
2300	END OF SHIFT

ACTIVITY

DATE/TIME

DATE
29 Jan

TIME	REMARKS
0700	ARRIVED ON SHIFT 8:00 AM
	<p>WATER #1 #1 ON - 103.8 PSI, 18.521 MG, CHL. 70, PH. 7.0 CHL. TANK 1030/65.5</p> <p>WATER #1 MONITORING ON - 21.8 PSI, .090 MG, CHL. 94</p> <p>MKANALIA BOOSTER #1 ON - SUCTION 21 PSI, DISCHARGE 75 PSI</p> <p>NCTAINS BOOSTER #1 ON - SUCTION - 13.4 PSI, DISCHARGE 105.8 PSI</p>
	<p>TANK LEVELS: S1/S2 - 34.3/33.0, ZENTON - 27.0, SP. SMITH - 13.3</p> <p>NCTAINS - 12.0, LINE LINE 1 - 9.9</p>
	<p>CHECKED SIZING, ADDED 1 BAG FLOCCING</p>
0800	WASH VEHICLE USE #899M
1130	SPROCKETS WASHING MP #A TANK 20.0
1130	VIBRATION READINGS
1200	SILENT WORKING MP #A TANK 32.0
1407	STARTED REPAIR MP #2
1520	<p>REPAIR VIBES UPPER VERT. - 31, UPPER HORIZ - 17, P/BL - 11, LOWER VERT - 10</p> <p>LOWER HORIZONTAL - 157, UPPER BEARING TEMP - 117°, LOWER BEARING TEMP - 152°</p>
1530	END OF SHIFT