

APPENDIX D

INTERIM REMOVAL ACTION AND DENSITY-DRIVEN CONVECTION SYSTEM OPERATING LOGS

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1857.12.35M

DATE: 1-14-16

WEISS PM: R08

NAME: B. BANON

H5U-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1004	736	0	63.47	
EW1-02	0955	4288	0	58.61	
EW1-03	1012	153776	0	58.32	
EW1-04	1026	17565	0	62.37	
EW1-05	1052	20958	0	59.67	
EW1-06	1020	14809	0	62.10	
EW1-07	1031	5101	0	62.48	
EW1-08	1044	123660	0	59.08	
EW1-09	1037	27154	0	54.77	

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	1220	53.37	
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1210	
Flow Rate	gpm 102	
Signal	milliamps 10.5	
Total Flow	gal x 1000 25980056	
	gal 85015532	
Pressure	psi 13.8	
Pressure at well head	psi 16	
N ₂ Pressure (lrg gauge)	psi 112	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1500	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

UCO1-051 1330 57.30

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-187-16-35M

DATE: 1-27-16

WEISS PM: ROD

NAME: BFB

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1215 ↓ ✓	7588	Ø		
EW1-02		4573			
EW1-03		168452	Ø		
EW1-04		19405	Ø		
EW1-05		23161			
EW1-06		16756	Ø		
EW1-07		5553	Ø		
EW1-08		134400	1000 Ø		
EW1-09		27626	20		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1700	
Flow Rate	gpm 102	
Signal	milliamps 10.5	
Total Flow	gal x 1000 30786090	
	gal 86921565	
Pressure	psi 13.8	
Pressure at well head	psi 15.5	
N ₂ Pressure (reg gauge)	psi 110	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1600	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856-13.35M

DATE: 2-11-16

WEISS PM: ROD

NAME: BPB

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1125 ↓	857			
EW1-02		5013			
EW1-03		187723			
EW1-04		21866			
EW1-05		26302			
EW1-06		19254			
EW1-07		6072			
EW1-08		149637			
EW1-09		28350			54.65

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A	2-11		
GWM-1B			
GWM-1C			
GWM-2A	1057	DRY	TOP OF PUMP @ 50.5'
GWM-2B	1101	50.90	
GWM-2C	1108	50.43	
UCD2-077			
UCD1-028	1120	51.49	
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1150	
Flow Rate	gpm 102	
Signal	millamps 10.5	
Total Flow	gal x 1000 33012481	
	gal 89147961	
Pressure	psi 13.8	
Pressure at well head	psi 15.5	
N ₂ Pressure (Irg gauge)	psi 110	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1520	

System

Well	Result	Remarks
Time	1230	
WWTP Flow Rate	gpm Ø	
Pressures at Bag Filters	Upstream, psi Ø	
Pressure at Bag Filters (downstream)	Downstream, psi Ø	
Bypass Valve Position	open/closed OPEN	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856.13. 3SM

DATE: 2-18-16

WEISS PM: RJD

NAME: B. BAUSY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1230	892	/	/	
EW1-02		5232			
EW1-03		197371			
EW1-04		23084			
EW1-05		27874			
EW1-06		20473			
EW1-07		6345			
EW1-08		156951			
EW1-09		29036			

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1300	
Flow Rate	gpm 102	
Signal	milliamps 10.6	
Total Flow	gal x 1000 34050260	
	gal 90185733	
Pressure	psi 15	
Pressure at well head	psi 14	
N ₂ Pressure (lrg gauge)	psi 110	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi	

System

Well	Result	Remarks
Time	1310	
WWTP Flow Rate	gpm 0	
Pressures at Bag Filters	Upstream, psi 0	
Pressure at Bag Filters (downstream)	Downstream, psi 0	
Bypass Valve Position	open/closed OPEN	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856.13.16-2015-1
 WEISS PM: ROD

DATE: 2-23-16
 NAME: BPB

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1400	918			
EW1-02	↓	5400			
EW1-03		204631			
EW1-04		24003			
EW1-05		29050			
EW1-06		21379			
EW1-07		6544			
EW1-08		162488			
EW1-09		29610			

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	1344	50.85	
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1330	
Flow Rate	gpm 102	
Signal	milliamps 10.6	
Total Flow	gal x 1000 34799685	
	gal 90735151	
Pressure	psi 13.5	
Pressure at well head	psi 15	
N ₂ Pressure (1rg guage)	psi 111	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1600	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-850-13.35M

DATE: 3-10-16

WEISS PM: ROD

NAME: B. BAWOY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1230	1007	0	/	
EW1-02	↓	5882	0		
EW1-03		225047	0		
EW1-04		26578	0		
EW1-05		32275	0		
EW1-06		23956	0		
EW1-07		7308	0		
EW1-08		177253	0		
EW1-09		30704	0		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A		/	
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025e			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1215	
Flow Rate	gpm 100	
Signal	milliamps 10.6	
Total Flow	gal x 1000 36776797	
	gal 92912246	
Pressure	psi 14	
Pressure at well head	psi 16	
N ₂ Pressure (Irg guage)	psi 110	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1400	

System

Well	Result	Remarks
Time	1280	
WWTP Flow Rate	gpm 0	
Pressures at Bag Filters	Upstream, psi 0	
Pressure at Bag Filters (downstream)	Downstream, psi 0	
Bypass Valve Position	open/closed OPEN	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856.13.3TM
 WEISS PM: ROD

DATE: 3-24-16
 NAME: BJB

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1345	1104	0	/	
EW1-02		6602	0		
EW1-03		252962	0		
EW1-04		29750	0		
EW1-05		36213	0		
EW1-06		26815	0		
EW1-07		8420	0		
EW1-08		194366	0		
EW1-09		33102	0		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	1400	48.71	
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CiPMW1-025s			
CiPMW1-025i			
CiPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1310	
Flow Rate	gpm 103	
Signal	milliamps 10.9	
Total Flow	gal x 1000 38875911	
	gal 95011390	
Pressure	psi 14	
Pressure at well head	psi 15	
N ₂ Pressure (1rg guage)	psi 111	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1500	

System

Well	Result	Remarks
Time	1325	
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi 0	
Pressure at Bag Filters (downstream)	Downstream, psi 0	
Bypass Valve Position	open/closed OPEN	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856.13.35M
 WEISS PM: ROD

DATE: 4-7-16
 NAME: B. BANJOY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1120 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	1221	0		
EW1-02		7419	0		
EW1-03		283409	0		
EW1-04		33072	0		
EW1-05		40224			
EW1-06		29772	0		
EW1-07		9693	0		
EW1-08		212812			
EW1-09		37038	0		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	1245	48-11	
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025e			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1200	
Flow Rate	gpm 105	
Signal	milliamps 10.7	
Total Flow	gal x 1000 40976345	
	gal 9711820	
Pressure	psi 14	
Pressure at well head	psi 15	
N ₂ Pressure (lrg guage)	psi 110	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1470	

System

Well	Result	Remarks
Time	1230	
WWTP Flow Rate	gpm 0	
Pressures at Bag Filters	Upstream, psi 0	
Pressure at Bag Filters (downstream)	Downstream, psi 0	
Bypass Valve Position	open/closed OPEN	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: _____

DATE: 4/21/16

WEISS PM: _____

NAME: _____

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1015 ↓	1328	0	/	
EW1-02		8193	0		
EW1-03		312904	0		
EW1-04		36135	0		
EW1-05		43890	0		
EW1-06		32570	0		
EW1-07		10836	0		
EW1-08		230256	0		
EW1-09		40540	0		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028		49.07	
UCD1-053	0950		
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1000	
Flow Rate	gpm 103	
Signal	milliamps 10.6	
Total Flow	gal x 1000 4307989	
	gal 99215364	
Pressure	psi 14	
Pressure at well head	psi 15	
N ₂ Pressure (lrg gauge)	psi 111	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1460	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856-13.35M
 WEISS PM: RON

DATE: 5-5-16
 NAME: B. BANAY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1030	1392	Ø		
EW1-02	↓	8603	Ø		
EW1-03		332494	Ø		
EW1-04		38196	Ø		
EW1-05		46236	Ø		
EW1-06		34369	Ø		
EW1-07		11450	Ø		
EW1-08		243386	Ø		
EW1-09		42348	Ø		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	56.4	56.44'	@ 1015
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025e			
CrPMW1-025f			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1115	
Flow Rate	gpm 100	
Signal	milliamps 10.5	
Total Flow	gal x 1000 45141668	
	gal 01277142	
Pressure	psi 13.3	
Pressure at well head	psi 15	
N ₂ Pressure (1rg gauge)	psi 112	
N ₂ Pressure (regulator)	psi 120	
N ₂ Pressure (tank)	psi 1400	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

UCD1-051 56.65' @ 1415

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-185b, 13.3SM
 WEISS PM: R.D.

DATE: 5-11-16
 NAME: B. BANNY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1230	1396	0	/	
EW1-02		8609	0		
EW1-03		334080	0		
EW1-04		38246	0		
EW1-05		46333	0		
EW1-06		34459	0		
EW1-07		11473	0		
EW1-08		244590	0		
EW1-09		42426	0		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A	1126	DRY	
GWM-1B	1130	58.22	
GWM-1C	1135	57.77	
GWM-2A	1154	DRY	
GWM-2B	1157	58.05	
GWM-2C	1201	57.83	
UCD2-077	1149	57.20	
UCD1-028	1100	58.41	
UCD1-053	1208	58.44	
UCD2-029	1214	58.09	
UCD2-030	1121	57.94	
UCD2-031	1115	57.74	
UCD2-040	1142	57.17	
CrPMW1-025e	1107	DRY	
CrPMW1-025i	1109	57.87	
CrPMW1-025d	1103	57.87	

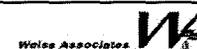
EW2-01

Well	Result	Remarks
Time		
Flow Rate	gpm	
Signal	milliamps	
Total Flow	gal x 1000	
Pressure	psi	
Pressure at well head	psi	
N ₂ Pressure (irg guage)	psi	
N ₂ Pressure (regulator)	psi	
N ₂ Pressure (tank)	psi	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

LEHR Groundwater Extraction System



Monthly Operations Form

WEISS JOB #: 389 1856.13 35M
 WEISS PM: ROJ

DATE: 5-13-16
 NAME: B-BANDY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1000	1396	0		
EW1-02		8620			
EW1-03		334972			
EW1-04		38369			
EW1-05		46438			
EW1-06		34543			
EW1-07		11495			
EW1-08		245538			
EW1-09		42520			

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	0930	58.90	
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

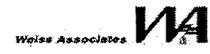
Well	Result	Remarks
Time	1030	
Flow Rate	gpm 100	
Signal	millamps 18.5	
Total Flow	gal x 1000 462776.58	
	gal 462776.58	
Pressure	psi 13.3	
Pressure at well head	psi 15	
N ₂ Pressure (lrg guage)	psi 111	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1400	

System

Well	Result	Remarks
Time	1030	
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	0
Pressure at Bag Filters (downstream)	Downstream, psi	0
Bypass Valve Position	open/closed	open

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856-13-10
 WEISS PM: R00

DATE: 5-26-16
 NAME: B. BANDY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01					
EW1-02					
EW1-03					
EW1-04					
EW1-05					
EW1-06					
EW1-07					
EW1-08					
EW1-09					

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	1345	57.95	
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1400	
Flow Rate	gpm 100	
Signal	milliamps 10.35	
Total Flow	gal x 1000 48192255	
	gal 04327727	
Pressure	psi	
Pressure at well head	psi	
N ₂ Pressure (lrg guage)	psi	
N ₂ Pressure (regulator)	psi	
N ₂ Pressure (tank)	psi	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-4836.13.10
 WEISS PM: RON

DATE: 6-16-16
 NAME: B. BANOY

H₂SU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01					
EW1-02					
EW1-03					
EW1-04					
EW1-05					
EW1-06					
EW1-07					
EW1-08					
EW1-09					

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028		<u>DEW</u>	<u>TOP OF PUMP = 64.5'</u>
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	<u>1310</u>	
Flow Rate	<u>99</u> gpm	
Signal	<u>10.2</u> millamps	
Total Flow	<u>51175975</u> gal x 1000	
	<u>07311252</u> gal	
Pressure	psi	
Pressure at well head	<u>14</u> psi	
N ₂ Pressure (1rg gauge)	<u>112</u> psi	
N ₂ Pressure (regulator)	<u>110</u> psi	
N ₂ Pressure (tank)	<u>1370</u> psi	

System

Well	Result	Remarks
Time	<u>1300</u>	
WWTP Flow Rate	<u>8</u> gpm	
Pressures at Bag Filters	<u>8</u> Upstream, psi	
Pressure at Bag Filters (downstream)	<u>8</u> Downstream, psi	
Bypass Valve Position	<u>OPEN</u> open/closed	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856.13.10
 WEISS PM: RSD

DATE: 7-21-16
 NAME: B. BAJOY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01					SYSTEM OFF
EW1-02					
EW1-03					
EW1-04					
EW1-05					
EW1-06					
EW1-07					
EW1-08					
EW1-09					

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well		Result	Remarks
Time		1045	
Flow Rate	gpm	98	
Signal	millamps	10.1	
Total Flow	gal x 1000	56044593	
	gal	12180065	
Pressure	psi	12.5	
Pressure at well head	psi	13.0	
N ₂ Pressure (lrg guage)	psi	111	
N ₂ Pressure (regulator)	psi	110	
N ₂ Pressure (tank)	psi	1310	

System

Well		Result	Remarks
Time		1030	
WWTP Flow Rate	gpm	NA	
Pressures at Bag Filters	Upstream, psi	0	
Pressure at Bag Filters (downstream)	Downstream, psi	0	
Bypass Valve Position	open/closed	OPEN	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 355-1896 13.10
 WEISS PM: ROJ

DATE: 8-18-16
 NAME: B. B. B. B.

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	/	/	/	/	SYSTEM OFF
EW1-02					
EW1-03					
EW1-04					
EW1-05					
EW1-06					
EW1-07					
EW1-08					
EW1-09					

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1305	
Flow Rate	gpm 97	
Signal	milliamps 10.3	
Total Flow	gal x 1000 59932170	
	gal 16067643	
Pressure	psi 12.5	
Pressure at well head	psi 13	
N ₂ Pressure (lrg guage)	psi 111	
N ₂ Pressure (regulator)	psi 112	
N ₂ Pressure (tank)	psi 1300	

System

Well	Result	Remarks
Time	1335	
WWTP Flow Rate	gpm 0	
Pressures at Bag Filters	Upstream, psi 0	
Pressure at Bag Filters (downstream)	Downstream, psi 0	
Bypass Valve Position	open/closed OPEN	

LEHR Groundwater Extraction System



Monthly Operations Form

WEISS JOB #: 710
 WEISS PM: RJD

DATE: 9-22-16
 NAME: B. BANDY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	/				SYSTEM OFF
EW1-02					
EW1-03					
EW1-04					
EW1-05					
EW1-06					
EW1-07					
EW1-08					
EW1-09					

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C	1135	66.44	
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	1215	DEY	HIT TO 0.5 PUMP
UCD1-053			
UCD2-029	1210	66.81	
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1105	
Flow Rate	98 gpm	
Signal	10.4 millamps	
Total Flow	64844916 gal x 1000	
	20980386 gal	
Pressure	13 psi	
Pressure at well head	14 psi	
N ₂ Pressure (lrg gauge)	116 psi	
N ₂ Pressure (regulator)	112 psi	
N ₂ Pressure (tank)	1203 psi	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	8
Pressures at Bag Filters	Upstream, psi	8
Pressure at Bag Filters (downstream)	Downstream, psi	8
Bypass Valve Position	open/closed	open

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856.14.
 WEISS PM: R.D.

DATE: 10-20-16
 NAME: B. BANCY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01		/	/	/	SYSTEM OFF
EW1-02					
EW1-03					
EW1-04					
EW1-05					
EW1-06					
EW1-07					
EW1-08					
EW1-09					

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028	1103	DRY	NLT TOP OF PUMP
UCD1-053			
UCD2-029	1058	61.83	
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025c			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1145	
Flow Rate	gpm 100	
Signal	milliamps 10.38	
Total Flow	gal x 1000 688470.0	
	gal 24982485	
Pressure	psi 13.5	
Pressure at well head	psi 15	
N ₂ Pressure (lrg gauge)	psi 112	
N ₂ Pressure (regulator)	psi 110	
N ₂ Pressure (tank)	psi 1100	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856.13.10
 WEISS PM: ROD

DATE: 11-23-16
 NAME: B. BANAY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01		1396			PUMP DID NOT START
EW1-02		8620			PUMPED 6 gal. in 44 sec.
EW1-03	1208	334972		57.44	PUMPED 5 gal. in 37 sec.
EW1-04		38369			PUMPED 7 gal. in 50 sec.
EW1-05	1147	36428		58.31	PUMPED 5 gal. in 38 sec.
EW1-06		34543			PUMPED ATK 7 gal. in 1.5' ↓
EW1-07		11496			PUMPED AIR
EW1-08		245538			PUMPED 8 gal. in 1.5'
EW1-09		42521			PUMP DID NOT START

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053	1200	56.72	
UCD2-029	1140	57.02	
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

UCD1-053 11-23-16 62.03 @ 1120

EW2-01

Well	Result	Remarks
Time	1045	
Flow Rate	gpm 100	
Signal	milliamps 10.3	
Total Flow	gal x 1000 73754699	
	gal 29890137	
Pressure	psi 13.5	
Pressure at well head	psi 15	
N ₂ Pressure (lrg guage)	psi 113	
N ₂ Pressure (regulator)	psi 112	
N ₂ Pressure (tank)	psi 1050	

System

Well	Result	Remarks
Time	1115	
WWTP Flow Rate	gpm 0	
Pressures at Bag Filters	Upstream, psi 0	
Pressure at Bag Filters (downstream)	Downstream, psi 0	
Bypass Valve Position	open/closed OPEN	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-05b, 13.10
 WEISS PM: RON

DATE: 12-5-16
 NAME: B. BANOV

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1250	1396			8 gpm . OFF AT 1402
EW1-02	1140	8626			PUMPED 6 gal in 1', OFF AT 8637.5
EW1-03	1200	334997			7 gpm , OFF AT 335012
EW1-04	1220	38377			6 gpm . OFF AT 38387
EW1-05	1150	46435		56.38	6 gpm . OFF AT 46444
EW1-06	1210	34548.5			8 gpm . OFF AT 34556
EW1-07	1230	11496			
EW1-08	1245	245547			8 gpm . OFF AT 245557
EW1-09	1235	42520			8 gpm . OFF AT 42527

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053			
UCD2-029	1005	55.23	
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

UCD1-051 0930 60.12

EW2-01

Well	Result	Remarks
Time		
Flow Rate	gpm	
Signal	millamps	
Total Flow	gal x 1000	
	gal	
Pressure	psi	
Pressure at well head	psi	
N ₂ Pressure (lrg guage)	psi	
N ₂ Pressure (regulator)	psi	
N ₂ Pressure (tank)	psi	

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: _____

DATE: 12-13-16

WEISS PM: Rod

NAME: B. BANDY

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
					1345
EW1-01	1200	1434	Ø		1435
EW1-02		8743	Ø		8743
EW1-03		341280	Ø		341343
EW1-04		39200	Ø		39210
EW1-05		47474	Ø		47482
EW1-06		35306	Ø		35313
EW1-07		11496	Ø		OFF
EW1-08		248862	Ø		248888
EW1-09		42652	Ø		42653

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A			
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time		
Flow Rate	gpm	
Signal	milliamps	
Total Flow	gal x 1000	
	gal	
Pressure	psi	
Pressure at well head	psi	15
N ₂ Pressure (lrg guage)	psi	112
N ₂ Pressure (regulator)	psi	110
N ₂ Pressure (tank)	psi	950

System

Well	Result	Remarks
Time		
WWTP Flow Rate	gpm	
Pressures at Bag Filters	Upstream, psi	
Pressure at Bag Filters (downstream)	Downstream, psi	
Bypass Valve Position	open/closed	

UCD1-051 1130 59.51

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: _____

DATE: 12-20-16

WEISS PM: RUD

NAME: B. BANAY

H5U-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1300	1446	0	/	
EW1-02		8815	0		
EW1-03		347417	0		
EW1-04		40005	0		
EW1-05		48415	0		
EW1-06		36020	0		
EW1-07		11496	OFF		
EW1-08		252104	0		
EW1-09		42850	0		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A		/	TO BE MONITORED 12/22
GWM-1B			
GWM-1C			
GWM-2A			
GWM-2B			
GWM-2C			
UCD2-077			
UCD1-028			
UCD1-053			
UCD2-029			
UCD2-030			
UCD2-031			
UCD2-040			
CrPMW1-025s			
CrPMW1-025i			
CrPMW1-025d			

EW2-01

Well	Result	Remarks
Time	1215	
Flow Rate	gpm 100	
Signal	milliamps 10.47	
Total Flow	gal x 1000 72275090	
	gal 33410490	
Pressure	psi 13.8	
Pressure at well head	psi 15	
N ₂ Pressure (lrg guage)	psi 115	
N ₂ Pressure (regulator)	psi 112	
N ₂ Pressure (tank)	psi 1000	

System

Well	Result	Remarks
Time	1200	
WWTP Flow Rate	gpm 100	
Pressures at Bag Filters	Upstream, psi 0	
Pressure at Bag Filters (downstream)	Downstream, psi 0	
Bypass Valve Position	open/closed OPEN	TESTED PUMPS: OK

LEHR Groundwater Extraction System

Monthly Operations Form



WEISS JOB #: 388-1856.14.35M

DATE: 1-13-17

WEISS PM: Ron

NAME: B. BANON

HSU-1 Wells

Well	Time	Total Flow gal	Pressure psi	DTW ft	Remarks
EW1-01	1210	1537	Ø	Øm	
EW1-02	↓	9132	Ø	↓	
EW1-03		370290	Ø		
EW1-04		42874	Ø		
EW1-05		51744	Ø		
EW1-06		38541	Ø		
EW1-07		11496	Ø		
EW1-08	↓	264176	Ø	↓	
EW1-09		44103	Ø		

Monitoring Wells

Well	Date & Time	DTW ft	Remarks
GWM-1A		↓	NM
GWM-1B		↓	
GWM-1C		↓	
GWM-2A		↓	
GWM-2B		↓	
GWM-2C		↓	
UCD2-077		↓	
UCD1-028		↓	
UCD1-053		↓	
UCD2-029		↓	
UCD2-030		↓	
UCD2-031		↓	
UCD2-040		↓	
CrPMW1-025s		↓	
CrPMW1-025i		↓	
CrPMW1-025d		↓	

EW2-01

Well	Result	Remarks
Time	ON AT 1145	MASTER RESET
Flow Rate	gpm 100	
Signal	milliamps 10.4	
Total Flow	gal x 1000 80359820	
	gal 36494300	
Pressure	psi 13.8	
Pressure at well head	psi 15	
N ₂ Pressure (lrg guage)	psi 118	
N ₂ Pressure (regulator)	psi 115	
N ₂ Pressure (tank)	psi 900	

System

Well	Result	Remarks
Time	1300	
WWTP Flow Rate	gpm Ø	
Pressures at Bag Filters	Upstream, psi Ø	
Pressure at Bag Filters (downstream)	Downstream, psi Ø	
Bypass Valve Position	open/closed OPEN	

UCDavis LEHR
 DDC System Field Log
 Sheet A - Before Adjustments

Remember: Wear Hearing Protection

Inspection/Maintenance Performed By: _____

Date of Monitoring Event	<u>2-11</u>	Volume in Acid Tank (gal)	<u>130</u>
Time of Monitoring Event	<u>1025</u>	If Acid Tank Volume <100 gallons, Refill Tank	
Discharge Pressure (PSI)	<u>26</u>	Volume of acid in shed (note conc.)	<u>0</u>
Compressor Run Time (hr)	<u>67524</u>	Speed of Acid Pump	<u>20</u>
Compressor Load Time (hr)	<u>42.485</u>	Stroke of Acid Pump	<u>60</u>
DTW (TOC) for well UCD1-049:	<u>54.68</u>	Outlet Temperature (°F)	<u>74°F</u>
DTW (TOC) for well UCD1-050:	<u>55.55</u>	<i>If temp. > 120 ° F, notify office.</i>	
DTW (TOC) for well UCD1-051:	<u>55.25</u>		

Water Level (ft) ¹	pH ²	Well Bubbling (Y/N)	Air Inlet Pressure (PSI)	Comments
DDC-3A				
	<u>DRY</u>			
DDC-3B				
	<u>51.00</u>	<u>Y</u>	<u>4.5</u>	
DDC-3C				
	<u>57.90</u>			
DDC-4A				
	<u>DRY</u>			
DDC-4B				
	<u>49.30</u>	<u>Y</u>	<u>5.5</u>	
DDC-4C				
	<u>57.00</u>			
DDC-5A				
	<u>DRY</u>			
DDC-5B				
	<u>49.75</u>	<u>Y</u>	<u>5</u>	
DDC-5C				
	<u>59.00</u>			
DDC-6A				
	<u>DRY</u>			
DDC-6B				
	<u>50.10</u>	<u>Y</u>	<u>6</u>	
DDC-6C				
	<u>57.20</u>			

¹ Measured from the top of each respective well casing. GW levels in each DDC well that is operating should demonstrate approximately 5 feet of separation between A and C wells.

² pH should be lower than 8.3.

- Check air filter
- Verify both air compressor and pressure holding tank performing normally
- Check moisture knockout, bail water and dispose in Cobalt-60 tanks. Vol of water bailed 0
- Acid Storage tank filled (If acid tank volume <100 gallons)
- Check pH tubing for leaks
- Check for minimum of 5-ft separation in GW levels in each DDC well that is operating.

Comments:

EYE WASH PRESSURE = 74 PSI

UCDavis LEHR
 DDC System Field Log
 Sheet A - Before Adjustments

Remember: Wear Hearing Protection

Inspection/Maintenance Performed By: BPB

Date of Monitoring Event 2-23-16 Volume in Acid Tank (gal) 116
 Time of Monitoring Event 0935 If Acid Tank Volume <100 gallons, Refill Tank
 Discharge Pressure (PSI) 31 Volume of acid in shed (note conc.) Ø
 Compressor Run Time (hr) 67815 Speed of Acid Pump 20
 Compressor Load Time (hr) 42675 Stroke of Acid Pump 60
 DTW (TOC) for well UCD1-049: 53.83 Outlet Temperature (°F) 94
 DTW (TOC) for well UCD1-050: 54.73 **If temp. > 120 °F, notify office.**
 DTW (TOC) for well UCD1-051: 54.46

Water Level (ft) ¹	pH ²	Well Bubbling (Y/N)	Air Inlet Pressure (PSI)	Comments
DDC-3A	<u>DRY</u>			
DDC-3B	<u>51.0</u>	<u>Y</u>	<u>5.0</u>	
DDC-3C	<u>57.3</u>			
DDC-4A	<u>DRY</u>			
DDC-4B	<u>48.9</u>	<u>Y</u>	<u>5.5</u>	
DDC-4C	<u>57.0</u>			
DDC-5A	<u>DRY</u>			
DDC-5B	<u>49.1</u>			
DDC-5C	<u>58.4</u>	<u>Y</u>	<u>5.0</u>	
DDC-6A	<u>DRY</u>			
DDC-6B	<u>49.3</u>			
DDC-6C	<u>56.4</u>	<u>Y</u>	<u>6.0</u>	

¹ Measured from the top of each respective well casing. GW levels in each DDC well that is operating should demonstrate approximately 5 feet of separation between A and C wells.

² pH should be lower than 8.3.

- Check air filter
- Verify both air compressor and pressure holding tank performing normally
- Check moisture knockout, bail water and dispose in Cobalt-60 tanks. Vol of water bailed Ø
- Acid Storage tank filled (If acid tank volume <100 gallons)
- Check pH tubing for leaks
- Check for minimum of 5-ft separation in GW levels in each DDC well that is operating.

Comments:

UCDavis LEHR
 DDC System Field Log
 Sheet A - Before Adjustments

Remember: Wear Hearing Protection

Inspection/Maintenance Performed By: B. BAUDY
 Date of Monitoring Event 3/10/16 Volume in Acid Tank (gal) 115
 Time of Monitoring Event 1130 If Acid Tank Volume <100 gallons, Refill Tank
 Discharge Pressure (PSI) 27 Volume of acid in shed (note conc.) 0
 Compressor Run Time (hr) 68197 Speed of Acid Pump 10
 Compressor Load Time (hr) 42915 Stroke of Acid Pump 60
 DTW (TOC) for well UCD1-049: 52.99 Outlet Temperature (°F) 82
 DTW (TOC) for well UCD1-050: 53.94 **If temp. > 120 °F, notify office.**
 DTW (TOC) for well UCD1-051: 53.65

Water Level (ft) ¹	pH ²	Well Bubbling (Y/N)	Air Inlet Pressure (PSI)	Comments
DDC-3A				
DDC-3B	50.4	Y	5.5	
DDC-3C	56.2			
DDC-4A				
DDC-4B	48.4	Y	6.0	
DDC-4C	56.0			
DDC-5A				
DDC-5B	47.6	Y	5.0	
DDC-5C	58.1			
DDC-6A				
DDC-6B	48.6	Y	6.5	
DDC-6C	55.7			

¹ Measured from the top of each respective well casing. GW levels in each DDC well that is operating should demonstrate approximately 5 feet of separation between A and C wells.

² pH should be lower than 8.3.

- Check air filter
- Verify both air compressor and pressure holding tank performing normally
- Check moisture knockout, bail water and dispose in Cobalt-60 tanks. Vol of water bailed 0
- Acid Storage tank filled (If acid tank volume <100 gallons)
- Check pH tubing for leaks
- Check for minimum of 5-ft separation in GW levels in each DDC well that is operating.

Comments:

UCDavis LEHR
 DDC System Field Log
 Sheet A - Before Adjustments

Remember: Wear Hearing Protection

Inspection/Maintenance Performed By: 3-24-16

Date of Monitoring Event B. BANAY

Time of Monitoring Event 0945

Discharge Pressure (PSI) 26

Compressor Run Time (hr) 68533

Compressor Load Time (hr) 43123

DTW (TOC) for well UCD1-049: 51.43

DTW (TOC) for well UCD1-050: 52.79

DTW (TOC) for well UCD1-051: 52.65

Volume in Acid Tank (gal) 105

If Acid Tank Volume <100 gallons, Refill Tank

Volume of acid in shed (note conc.) 0

Speed of Acid Pump 16

Stroke of Acid Pump 60

Outlet Temperature (°F) 95

If temp. > 120 °F, notify office.

Water Level (ft) ¹	pH ²	Well Bubbling (Y/N)	Air Inlet Pressure (PSI)	Comments
DDC-3A	DRY	-		
DDC-3B	50.0	7.73	Y	6.0
DDC-3C	55.0	8.11		
DDC-4A	DRY	-		
DDC-4B	47.2	7.85	Y	6.5
DDC-4C	54.9	8.22		
DDC-5A	DRY	-		
DDC-5B	47.4	7.11	Y	5.5
DDC-5C	57.4	7.56		
DDC-6A	36.65	-		
DDC-6B	47.6	7.94	Y	7
DDC-6C	54.1	8.25		

¹ Measured from the top of each respective well casing. GW levels in each DDC well that is operating should demonstrate approximately 5 feet of separation between A and C wells.

² pH should be lower than 8.3.

- Check air filter
- Verify both air compressor and pressure holding tank performing normally
- Check moisture knockout, bail water and dispose in Cobalt-60 tanks. Vol of water bailed 0
- Acid Storage tank filled (If acid tank volume <100 gallons)
- Check pH tubing for leaks
- Check for minimum of 5-ft separation in GW levels in each DDC well that is operating.

Comments:

UCDavis LEHR
 DDC System Field Log
 Sheet A - Before Adjustments

Remember: Wear Hearing Protection

Inspection/Maintenance Performed By: B. Bandy
 Date of Monitoring Event 7-7-16
 Time of Monitoring Event 1300
 Discharge Pressure (PSI) 25
 Compressor Run Time (hr) 65870
 Compressor Load Time (hr) 43329
 DTW (TOC) for well UCD1-049: 51.28
 DTW (TOC) for well UCD1-050: 52.16
 DTW (TOC) for well UCD1-051: 51.90

Volume in Acid Tank (gal) 125
 If Acid Tank Volume <100 gallons, Refill Tank
 Volume of acid in shed (note conc.) 0
 Speed of Acid Pump 20
 Stroke of Acid Pump 60
 Outlet Temperature (°F) 105
 If temp. > 120 °F, notify office.

Water Level (ft) ¹	pH ²	Well Bubbling (Y/N)	Air Inlet Pressure (PSI)	Comments
DDC-3A				
DDC-3B	49.1	7	6.5	
DDC-3C	54.2			
DDC-4A				
DDC-4B	46.5	4	6.5	
DDC-4C	54.1			
DDC-5A	DRY			
DDC-5B	47.8	4	7.0	
DDC-5C	57.0			
DDC-6A	DRY			
DDC-6B	46.7	4	7.5	
DDC-6C	53.5			

¹ Measured from the top of each respective well casing. GW levels in each DDC well that is operating should demonstrate approximately 5 feet of separation between A and C wells.

² pH should be lower than 8.3.

- Check air filter
- Verify both air compressor and pressure holding tank performing normally
- Check moisture knockout, bail water and dispose in Cobalt-60 tanks. Vol of water bailed 8
- Acid Storage tank filled (If acid tank volume <100 gallons)
- Check pH tubing for leaks
- Check for minimum of 5-ft separation in GW levels in each DDC well that is operating.

Comments:

UCDavis LEHR
 DDC System Field Log
 Sheet B - Adjustments Made

Inspection/Maintenance Performed By: BPB
 Date of Monitoring Event: 4/21/16 Time of Monitoring Event: 1030

Adjustments Made:

DDC1:	49	51.77		
DDC2:	50	52.56		
DDC3:	51	52.26		
DDC4:			97°F	
DDC5:	RVD	69203	26 PSI	
DDC6:	LOAD	43530		

Comments:

After making adjustments, fill out table again for DDC wells that are operating:

Time WLS recorded: _____

	Water Level (ft) ¹	Well Bubbling (Y/N)	Inlet Pressure (PSI)	Comments
DDC-3A	-			
DDC-3B	49.3	Y	6.5	
DDC-3C	54.5			
DDC-4A				
DDC-4B	47.1	Y	6.5	
DDC-4C	54.9			
DDC-5A				
DDC-5B	47.8	Y	6.0	
DDC-5C	57.4			
DDC-6A				
DDC-6B	47.6	Y	7.0	
DDC-6C	54.1			

¹ Measured from the top of each respective well casing. GW levels in each DDC well that is operating should demonstrate approximately 5 feet of separation between A and C wells.

Comments:

UCDavis LEHR
 DDC System Field Log
 Sheet A - Before Adjustments

Remember: Wear Hearing Protection

Inspection/Maintenance Performed By: B. BAWAY
 Date of Monitoring Event 5-5-16 Volume in Acid Tank (gal) 110
 Time of Monitoring Event 1300 If Acid Tank Volume <100 gallons, Refill Tank
 Discharge Pressure (PSI) 29 Volume of acid in shed (note conc.) 0
 Compressor Run Time (hr) 69541 Speed of Acid Pump _____
 Compressor Load Time (hr) 42752 Stroke of Acid Pump _____
 DTW (TOC) for well UCD1-049: 58.15 Outlet Temperature (°F) 95°
 DTW (TOC) for well UCD1-050: 58.55 **If temp. > 120 °F, notify office.**
 DTW (TOC) for well UCD1-051: 58.97

Water Level	(ft) ¹	pH ²	Well Bubbling (Y/N)	Air Inlet Pressure (PSI)	Comments
DDC-3A	-	-			
DDC-3B	56.8	8.0	Y	4.5	
DDC-3C	58.88	8.2			59.6'
DDC-4A	DRY	-			
DDC-4B	53.0	7.9	Y	4.0	
DDC-4C	60.5	8.1			
DDC-5A	DRY	-			
DDC-5B	54.0	7.8			
DDC-5C	62.2	7.7	Y	4.0	
DDC-6A	DRY	-			
DDC-6B	52.2	8.1	Y	5.0	
DDC-6C	59.4	8.2			

¹ Measured from the top of each respective well casing. GW levels in each DDC well that is operating should demonstrate approximately 5 feet of separation between A and C wells.

² pH should be lower than 8.3.

- Check air filter
- Verify both air compressor and pressure holding tank performing normally
- Check moisture knockout, bail water and dispose in Cobalt-60 tanks. Vol of water bailed 0
- Acid Storage tank filled (If acid tank volume <100 gallons)
- Check pH tubing for leaks
- Check for minimum of 5-ft separation in GW levels in each DDC well that is operating.

Comments:

UCDavis LEHR
 DDC System Field Log
 Sheet A - Before Adjustments

Remember: Wear Hearing Protection

Inspection/Maintenance Performed By: 5-11-16
 Date of Monitoring Event 5-10-16
 Time of Monitoring Event 1000
 Discharge Pressure (PSI) _____
 Compressor Run Time (hr) 696.58
 Compressor Load Time (hr) 438.27
 DTW (TOC) for well UCD1-049: _____
 DTW (TOC) for well UCD1-050: _____
 DTW (TOC) for well UCD1-051: 61.97

Volume in Acid Tank (gal) _____
 If Acid Tank Volume <100 gallons, Refill Tank
 Volume of acid in shed (note conc.) _____
 Speed of Acid Pump _____
 Stroke of Acid Pump _____
 Outlet Temperature (°F) _____
If temp. > 120 °F, notify office.

Water Level (ft) ¹	pH ²	Well Bubbling (Y/N)	Air Inlet Pressure (PSI)	Comments
DDC-3A				
DDC-3B				
DDC-3C				
DDC-4A				
DDC-4B				
DDC-4C				
DDC-5A				
DDC-5B				
DDC-5C				
DDC-6A				
DDC-6B				
DDC-6C				

¹ Measured from the top of each respective well casing. GW levels in each DDC well that is operating should demonstrate approximately 5 feet of separation between A and C wells.

² pH should be lower than 8.3.

- Check air filter
- Verify both air compressor and pressure holding tank performing normally
- Check moisture knockout, bail water and dispose in Cobalt-60 tanks. Vol of water bailed _____
- Acid Storage tank filled (If acid tank volume <100 gallons)
- Check pH tubing for leaks
- Check for minimum of 5-ft separation in GW levels in each DDC well that is operating.

Comments:

SHUT DOWN DDC COMPRESSOR/ACID @ 1015
