Location PUERTO RICO Date 12-12-12

Project / Client + CPCPRC

DEC SAMPLING MR/MR

1515 SIGN OUT @ GUARD SHACK & RETURN KEYS. HEAD TO GAS STATION TO BUY ICE/PACK COOLERS

1555 HEAD TO FED EX TO D/O COOLERS.

1645 D/O (2) COOLERS @ FED EX. AIRBILL # 801426262676.

1650 @ HOTEL

PM WEATHER - 86°, MOSTLY SUNNY WINDS W @ 10 MPH

12-12-12

Location Date

Project / Client

0555 M. RAMPY & MR RIVERA LEAVE HOTEL FOR CPCPRC

0615 @ GAS STATION FOR ICE & GAS

SIGN IN @ GUARD SHACK & GET KEYS

LOADING & CALIBRATE EQUIPMENT

AM WEATHER - 77° CLOUDY, RAIN NO WIND

PAIN TAILGATE SLIP TRIP FALL, SLICK SURFACES, UNEVEN, BIOLOGICAL HAZARDS, TEAM LIFT, HEAT, STAY HYDRATED

PROD - SAMPLE WELLS (LOW PRIORITY) DMW-3, MW-45D, MW-43 (MS/MSD) MW-119, IF POSSIBLE, DMW-4

VISUAL pH4 = 4.00 @ 21.23

pH7 = 7.00 @ 21.34; pH10 = 10.03 @ 21.21

SPEC CONS = 1.413 @ 21.23; ORP = 220 @ 21.46

DO = 8.99 mg/L @ 20.67

0745 SETTING UP @ DMW-3; DTW = 3.22

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
0757	Ø	27.83	.646	6.86	3.67	86.5	clear	3.26
0800	0.6	28.28	.642	6.83	3.87	70.2	clear	3.24
0803	1.2	28.48	.614	6.81	2.40	64.0	clear	3.24
0806	1.8	28.60	.612	6.80	1.14	52.7	clear	3.24

Location: Puerto Rico Date: 12-13-12

Project / Client: CPCPRC

DEC Sampling MC/MR

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
0809	2.4	28.75	.608	6.80	.83	47.7	clear	3.24
0812	3.0	28.66	.609	6.80	.70	45.7	clear	3.24
0815	3.6	28.54	.608	6.79	.60	42.0	clear	3.24
0818	4.2	28.68	.607	6.79	.52	40.1	clear	3.24
0821	4.8	28.82	.607	6.80	.46	38.8	clear	3.24
0824	5.4	28.81	.607	6.79	.42	38.2	clear	3.24

0830 COLLECTING SAMPLE @ DMW-3 NO ODOR

0855 SETTING UP @ MW-45D; DTW = 4.73 No odor

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
0905	Ø	28.97	1.997	7.10	1.60	80.6	clear	4.76
0908	0.75	29.11	2.039	7.20	0.88	62.2	clear	4.76
0911	1.5	28.93	1.289	7.16	1.30	50.9	clear	4.76
0914	2.25	28.92	0.938	7.05	1.48	38.0	clear	4.76
0917	3.0	28.92	0.781	6.97	1.60	35.5	clear	4.76
0920	3.75	28.91	0.702	6.94	1.76	35.6	clear	4.76
0923	4.5	28.93	0.656	6.93	1.55	35.0	clear	4.76
0926	5.25	28.95	0.639	6.92	1.52	34.6	clear	4.76
0929	6.0	28.92	0.627	6.91	1.63	34.9	clear	4.76
0932	6.75	28.93	0.620	6.90	1.52	35.3	clear	4.76
0935	7.5	28.94	0.616	6.90	1.52	35.0	clear	4.76

0940 Collecting sample @ MW-45D; NO ODOR

1005 SETTING UP @ MW-43; DTW = 5.00

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
1015	Ø	29.22	.663	7.09	1.52	-3.7	clear	5.24

Location: Puerto Rico Date: 12-13-12

Project / Client: CPCPRC

DEC Sampling MC/MR

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
1018	0.6	29.11	.675	7.01	.90	-30.3	clear	5.26
1021	1.2	29.18	.676	7.01	.54	-39.1	clear	5.28
1024	1.8	29.31	.677	7.02	.41	-45.9	clear	5.28
1027	2.4	29.38	.676	7.02	.34	-47.0	clear	5.30
1030	3.0	29.39	.676	7.03	.32	-49.4	clear	5.30

1035 COLLECTING SAMPLE & MS/MSD @ MW-43 NO ODOR

1110 SETTING UP @ MW 119; DTW = 5.04

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
1119	Ø	29.07	0.651	7.18	1.59	-57.7	cloudy	5.35
1122	0.75	28.81	0.650	7.17	0.68	-76.6	cloudy	5.35
1125	1.5	28.65	0.650	7.17	0.43	-83.4	clearing	5.35
1128	2.25	28.67	0.649	7.17	0.35	-84.2	clearing	5.35
1131	3.0	28.55	0.649	7.18	0.31	-78.3	clear	5.35
1134	3.75	28.51	0.648	7.18	0.30	-73.1	clear	5.35

1140 Collecting sample @ MW-119, NO ODOR

1205 SETTING UP @ DMW-4; DTW = 6.14

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
1213	Ø	29.58	.688	7.35	1.70	14.2	clear	6.34
1216	0.6	29.33	.695	7.30	0.61	6.3	clear	6.34
1219	1.2	29.29	.691	7.29	.51	0.3	clear	6.34
1222	1.8	29.45	.680	7.27	.73	-3.7	clear	6.34
1225	2.4	29.60	.668	7.24	.65	-6.8	clear	6.34
1228	3.0	29.44	.658	7.21	.72	-8.7	clear	6.34

1230 COLLECTING SAMPLE @ DMW-4

Location: PUERTO RICO Date: 12-13-12

Project / Client: CPCPRC

DEC Sampling MR/MR

1235 @ WELL MW-120; DTW = 5.21 LOCKWOAT LOCK

LATE ENTRY: 0835 @ WELL MW-47; DTW 3.62

1325 DUMP PURGE WATER

1330 @ OYS TRAILER TO D/O EQUIPMENT & QUICK INVENTORY

1355 SIGN OUT @ GUARD SHACK & RETURN KEYS. HEAD TO GAS STATION TO BUY ICE.

1400 @ GAS STATION TO PACK COOLERS

1500 HEAD TO FEDEX TO D/O COOLERS.

1550 @ FEDEX TO D/O ~~[illegible]~~ (3) COOLERS AIRBILL# ~~8H~~ 801422262687

1645 @ HOTEL - PM WEATHER - 75°, CLOUDY, RAIN WINDS W @ 15 MPH

12-13-12

Location: PUERTO RICO Date: 12-14-12

Project / Client: CPCPRC

DEC Sampling MR/MR

0535 M. RAMPY & M RIVERA LEAVE HOTEL FOR CPCPRC.

0615 @ GAS STATION TO BUY ICE

0625 SIGN IN @ GUARD SHACK & GET KEYS

0630 CALIBRATE & LOAD EQUIPMENT

AM WEATHER 77°, CLOUDY, NO WIND

DAILY TAILGATE - SLIP TRIP FALL, SLICK MUDDY, CONDITIONS, UNEVEN SURFACES, HEAT STAY HYDRATED, BIOLOGICAL HAZARDS.

POD - SAMPLE WELLS (CONPASTURE) MW-42, MW-123D, MW-121, MW-40, MW-124D (MS/MSD)

VISICAL - pH4 = 4.00 @ 20.78; pH7 = 7.00 @ 27.76

pH10 = 10.03 @ 20.70; ~~[illegible]~~ SPEC COND = 1.413 @ 20.70

ORP = 220 @ 20.65; DO = 9.10 mg/L @ 19.95

0725 SETTING UP @ MW-42; DTW = 5.58 HINGE BROKEN

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
0740	Ø	27.35	.738	6.82	1.63	-122.4	cloudy	5.58
0743	.45	27.84	.757	6.91	1.00	-149.6	cloudy	5.58
0746	.90	27.89	.761	6.94	.33	-158.1	cloudy	5.58
0749	1.35	28.10	.761	6.95	.21	-162.0	cloudy	5.58
0752	1.80	28.29	.761	6.96	.20	-163.8	cloudy	5.58
0755	2.25	28.54	.761	6.96	.17	-164.9	cloudy	5.58

0800 COLLECTING SAMPLE @ MW-42 NO ODOR

Location: Puerto Rico Date: 12-14-12

Project / Client: CPCPRC

DEC Sampling MR/MR

0822 Setting up @ MW-121; DTW = 7.02

Time	Vol	Temp	Cond	pH	DO	ORP	VIS	WL
0830	Ø	28.24	1.007	7.05	1.07	55.5	cloudy	7.23
0833	0.6	28.29	1.018	7.06	0.63	30.1	clearing	7.22
0836	1.2	28.18	1.021	7.06	0.64	23.0	clear	7.22
0839	1.8	28.23	1.024	7.06	0.45	19.4	clear	7.22
0842	2.4	28.27	1.026	7.05	0.37	15.8	clear	7.22
0845	3.0	28.31	1.026	7.05	0.36	14.0	clear	7.22

0850 Collecting sample @ MW-121; no odor

0910 Setting up @ MW-123D; DTW = 8.14

Time	Vol	Temp	Cond	pH	DO	ORP	VIS	WL
0922	Ø	28.70	.555	6.87	2.58	24.4	clear	8.16
0925	0.6	28.65	.555	6.83	2.12	21.1	clear	8.16
0928	1.2	28.59	.555	6.83	1.93	23.5	clear	8.16
0931	1.8	28.58	.555	6.83	1.83	28.2	clear	8.16
0934	2.4	29.55	.554	6.82	1.83	30.0	clear	8.16

0940 Collecting sample @ MW-123D

1002 @ well MW-122; DTW = 8.01

1005 Setting up @ MW-124D; DTW = 8.24

Time	Vol	Temp	Cond	pH	DO	ORP	VIS	WL
1016	Ø	29.69	0.511	7.99	3.58	0.6	clear	8.33
1019	0.75	29.49	0.550	7.34	2.14	4.5	clear	8.35
1022	1.5	29.39	0.564	7.13	1.74	2.1	clear	8.35
1025	2.25	29.28	0.569	6.98	1.49	7.8	clear	8.35

Location: Puerto Rico Date: 12-14-12

Project / Client: CPCPRC

DEC Sampling MR/MR

Time	Vol	Temp	Cond	pH	DO	ORP	VIS	WL
1028	3.0	29.45	0.569	6.96	1.43	4.8	clear	8.35
1031	3.75	29.53	0.569	6.95	1.42	12.6	clear	8.35
1034	4.5	29.54	0.567	6.95	1.45	15.8	clear	8.35

1040 Collecting sample @ MW-124D; no odor

1130 Setting up @ MW-40; DTW = 9.55

Time	Vol	Temp	Cond	pH	DO	ORP	VIS	WL
1138	Ø	29.80	.540	7.10	2.30	-11.2	clear	9.58
1141	0.6	29.62	.538	7.08	1.72	-10.2	clear	9.58
1144	1.2	29.48	.538	7.08	1.57	-8.8	clear	9.58
1147	1.8	29.54	.538	7.08	1.58	-6.1	clear	9.58
1150	2.4	29.52	.537	7.09	1.47	-4.1	clear	9.58

1155 Collecting sample @ MW-40

1230 Dump purge water

1235 Unload equipment & samples @ CPS trailer

1255 Heads off site to get pickup supplies

1415 On site. Load up coolers

1430 Sign out @ Guards shack & return keys.

1438 @ gas station to buy ice & pack coolers.

Note: Will head back to site to take pictures of VISM

Location PUERTO RICO Date 12-14-12

Project / Client CPCPRC

DEC SAMPLING mr/mr

LINE @ AS PER E. WHITMORE.

1515 COOLERS PACKED HEAD BACK TO SITE.

1520 TAKING PICS OF "VISM" SYSTEM ~~FROM~~ [illegible]

1535 LEAVE SITE HEAD TO FEDEX TO D/O COOLERS

1620 @ FEDEX TO D/O (3) COOLERS

AIRBILL # 8014262626 9B.

PM WEATHER - 82°, RAIN, WINDS S @ 6mph.

1635 @ HOTEL

12-14-12

Location PUERTO RICO Date 12-17-12

Project / Client CPCPRC

DEC SAMPLING mr/mr

0535 M. RAMPY & M. RIVERA LEAVE HOTEL FOR CPCPRC.

0615 @ GAS STATION TO PURCHASE ICE & GAS

0630 SIGNING GUARD SHACK & GET KEYS.

0635 CALIBRATE & LOAD EQUIPMENT

AM WEATHER - 78°, CLEAR, NO WIND

DAILY TAILGATE - SLIP TRIP FALL, UNEVEN SURFACES, HEAT STAY HYDRATED, SUNSCREEN, BIOLOGICAL HAZARDS

POD - SAMPLE WELLS: MW-41 (DUP) DMW-2, MW-44 & 5 WATER LEVELS

YSI CAL - pH4 = 4.00 @ 20.78; pH7 = 7.00 @ 20.73

pH10 = 10.03 @ 20.66; SPEC CONS = 1413 @ 20.62

ORP = 220 @ 20.68; DO = 9.14 mg/L @ 19.81

0710 SETTING UP @ MW-41; DTW = 13.28

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS	WL
0723	Ø	26.91	.604	6.81	1.99	83.5	clear	13.55
0726	0.6	27.41	.616	6.82	1.31	55.0	clear	13.61
0729	1.2	27.87	.622	6.80	1.16	50.5	clear	13.66
0732	1.8	28.19	.625	6.77	.60	46.8	clear	13.71
0735	2.4	28.24	.628	6.77	.44	51.2	clear	13.73
0738	3.0	28.30	.630	6.76	.41	47.3	clear	13.74
0741	3.6	28.35	.631	6.76	.35	46.7	clear	13.74

0745 COLLECTING SAMPLE @ MW-41 (DUP) NO ODOR

Location Puerto Rico Date 12-17-12

Project / Client CPCPRC

DEC Sampling MR/NR

0825 Setting up @ DMW-2 DTW = 3.89 No Lock

Time	Vol	Temp	Cond	pH	DO	ORP	VIS	WL
0837	Ø	28.60	1.004	6.74	1.99	66.1	Cloudy	3.90
0840	0.6	28.68	1.056	6.74	1.02	-20.2	Clear	3.89
0843	1.2	28.64	1.074	6.72	0.67	-59.6	Clear	3.89
0846	1.8	28.64	1.076	6.73	0.47	-62.9	Clear	3.89
0849	2.4	28.65	1.078	6.73	0.40	-64.5	Clear	3.89
0852	3.0	28.62	1.080	6.73	0.36	-65.2	Clear	3.89
0855	3.6	28.63	1.082	6.73	0.35	-65.9	Clear	3.89

0900 Collecting sample @ DMW-2 ; Strong odor

0925 Setting up @ MW-44 ; DTW = 3.90

Time	Vol	Temp	Cond	pH	DO	ORP	VIS	WL
0940	Ø	29.36	.753	7.31	1.46	70.8	clear	4.85
0943	0.6	29.30	.758	7.30	.85	57.8	clear	5.15
0946	1.2	29.28	.757	7.30	.73	50.6	clear	5.60
0949	1.8	29.23	.757	7.31	.78	47.5	clear	5.95
0952	2.4	29.19	.754	7.30	.68	40.2	clear	6.30

0955 Collecting sample @ MW-44

1025 Dump purge water

1030 Unload 2 Equipment & samples @ ops trailer.

1035 Begin water levels

1035 @ MW-156 ; DTW = 8.00 No inner cap

1036 @ MW-157 Lock would not open

1037 @ MW-155 ; DTW = 10.13

Location Puerto Rico Date 12-17-12

Project / Client CPCPRC

DEC Sampling MR/NR

1040 @ MW-139 ; DTW = 7.87

1045 @ New well 8 ; DTW = 10.95

1049 @ MW-103 ; DTW = 16.64 No Lock

1052 @ MW-141 ; DTW = 15.52 No Lock

1100 @ MW-101 ; DTW = 19.19 No Lock

1104 @ MW-102 ; DTW = 15.57 No Lock

1108 @ MW-114 ; DTW = 22.51

1115 @ MW-109 ; DTW = DRY

1120 @ MW-108 ; DTW = 20.11

1140 @ MW-113 ; DTW = DRY

1145 @ MW-112 ; DTW = Unable to collect water level due to ants

1152 @ MW-136D ; DTW = 18.30

1155 @ MW-135 ; DTW = 17.94 No inner cap

1200 @ MW-13R ; DTW = 21.55

1202 @ MW-118D ; DTW = 22.00

1207 @ MW-116 ; DTW = 10.64

1211 @ MW-117D ; DTW = 8.02 No Lock

1212 @ RW-D ; DTW = 7.05 Lock won't lock

1216 @ RW-J ; DTW = 11.68

1220 @ MW-23 ; DTW = 12.19

1223 @ MW-29 ; DTW = 15.40

1229 @ RW-K ; DTW = 10.93

1231 @ MW-9R ; DTW = 6.88

Location: Puerto Rico Date: 12-17-12

Project / Client: CPCPRC

DEL Sampling MR/MR

1235 Finish w/ water levels, with a few exceptions will talk w/ Chevron about lock unable to open.

1240 @ VISM, taking pics as per E. Whitmore

1300 @ OPS trailer loading samples & doing inventory on what will stay & what needs to be shipped back to Colorado for eventual move out of OPS building.

1400 Sign out @ Guard shack & return keys.

1410 @ Gas station to buy ice & pack coolers.

1505 Head to FedEx to D/O coolers.

1555 @ FedEx to D/O coolers (2) Air Bill # 801426262702

PM weather: 86°, sunny, wind E @ 6 mph

1630 @ Hotel

12-17-12

Location: Puerto Rico Date: 12-18-12

Project / Client: CPCPRC

DEL Sampling MR/MR

0530 M. Rampy & M. Rivera leave hotel for CPCPRC.

0615 @ Gas station to buy ice.

0625 Sign in @ Guard shack & get keys

0630 Calibrate & load equipment

AM weather - 78°, clear wind S @ 7 mph.

Daily tailgate - Slip trip fall, uneven surfaces, biological hazards, heat, stay hydrated, sunscreen.

P.O.D - Sample ditch/channel.

YSI cal - pH4 = 4.00 @ 20.73

pH7 = 7.00 @ 20.69; pH10 = 10.03 @ 20.60

SPEC cons = 1.413 @ 20.55; ORP = 220 @ 20.64

DO = 9.14 mg/L @ 19.79

0810 Setting up @ ditch-3

Time	Vol	Temp	Cond	pH	DO	ORP	Vis
0818	Ø	25.24	.541	7.20	2.98	87.8	clear

0818 Collecting sample @ ditch-3 MS/MSD

0840 Collecting sediment sample & MS/MSD @ channel-3

0945 Setting up @ ditch-2

Time	Vol	Temp	Cond	pH	DO	ORP	Vis
1006	Ø	27.90	.542	8.12	7.20	80.6	clear

1010 Collecting sample @ ditch-2

Location PUERTO RICO Date 12-18-12

Project / Client CPCPRC mr/mr

DEC SAMPLING

1040 COLLECTING SEDIMENT SAMPLE & DUP @ CHANNEL 2

1120 SETTING UP @ DITCH - 1

TIME	VOL	TEMP	COND	pH	DO	ORP	VIS
1140	Ø	27.05	1.146	7.50	1.86	-128.3	clear

1145 COLLECTING SAMPLE @ DITCH - 1

1210 COLLECTING SAMPLE @ CHANNEL - 1

1245 @ OPS TRAILER. DOING INVENTORY.

1340 BEGIN WATER LEVELS

1350 @ MW-126; DTW = 6.61

1355 @ MW-157; DTW = 8.51

1358 @ MW-15; DTW = 10.96

1405 FINISH W/ WATER LEVELS & SAMPLING FOR THIS QUARTER. FINISHED W/ FIELD ACTIVITIES. LOADING EQUIPMENT IN TRUCK.

1415 SIGN OUT @ GUARD SHACK & RETURN KEYS.

1420 @ GAS STATION TO BUY ICE & PACK COOLERS.

1515 LEAVE GAS STATION - ONE MORE WATER LEVEL NEEDED BEFORE HEADING TO FED EX.

1530 UNABLE TO LOCATE MW-WP-10. CREW (CHEVRON) WILL CUT OVER GROWTH & WILL GET H2O LEVEL USING CH2MHILLS H2O LEVEL METER. HEAD TO FED EX TO D/O SAMPLES.

1610 @ FED EX W/ D/O COOLERS (3)

Location PUERTO RICO Date 12-18-12

Project / Client CPCPRC

DEC SAMPLING mr/mr

FED EX AIR BILL # 8014 2626 2210

1705 @ HOTEL.

PM WEATHER 86° Mostly Cloudy W @ 3 mpH

12-18-12

Location Puerto Rico Date 12-19-12

Project / Client CPCPRC

DEC Sampling [illegible]

0900 M. Ramph & M. Rivera check out of H.J. Hotel.

0930 @ FED EX to ship equipment.

1000 Head to CPCPRC.

1050 @ CPCPRC sign in @ Guard Shack

1055 @ ops trailer to do inventory & clean.

Inventory: Extension cord, shovel, pruners, 2 chairs, inverter, tools, (socket set), table, (2) buckets, 13 filters.

1310 Borrow water / [illegible] meter to collect last H2O level

1320 @ MW-WP-10, DTW =

1330 Back on site to throw trash & fund cleaning

1400 Sign in @ Guard Shack. Head to San Juan to return rental vehicle.

1545 @ Gas station to fill rental.

1610 @ Budget to return rental truck

1635 Truck returned. Head to Hotel.

1650 @ Hotel, DEC corrective actions

Sampling event complete

[illegible] 12-19-12

Location Date

Project / Client