1530 SYSTEM CHECK

Q_{R1} = 1.03 gpm ; Q_{TOT} = 3153 gal
Q_{R2} = ~~1.01~~ 0.94 gpm ; Q_{TOT} = 2822 gal
→ Increased pump speed to increase Q to 1.02 gpm

R1 Inlet P = 18 psi
R2 Inlet P = 12 psi

NUTRIENT TANKS:
106 + 109 gal Δ = ~~24~~ 5 gal since this AM

SUBSTRATE TANKS:
#1 – 44 gal Δ = 12 gal OK
#2 – 20 gal Δ = 8 gal low
→ INCR. STROKE TO 40 %.

TOP OFF SUBSTRATE TANKS w/ AC SOLN.
IN SUPPLEMENTAL TANKS
375 gal Cap

STOPPED FILLING TANKS @
VOL = 134 gal (ST #1)
= 113 gal (ST #2)

FRIDAY OCT. 4

0930 ONSITE

SYSTEM CHECK

Q_{R1} = 0.7 gpm
Q_T = 3982 gal
Δ = 829 gal ; Δ → Q_{AV} = 0.77 gpm

Q_{R2} = 0.68 gpm
Q_T = 3167 gal
Δ = 945 gal ; Δ → Q_{AV} = 0.875 gpm

P_{R1} = 18 psi
P_{R2} = 16 psi

Vol ST #1 – 98 gal – Δ = 36 gal → 2 gph ✓
ST #2 – 82 gal – Δ = 31 gal → 1.72 gph ✓ OK

Vol Nutrient Tanks – 98 gal
+ 102 gal
Δ = 15 gal / 18 hr = 0.83 gph – low

~~1000~~

1000

	T °C	pH	DO mg/l
INF	20.0	7.27	7.9
R1 INT	19.8	8.37	1.8
EFF	19.0	8.51	1.4
R2 INT	19.9	8.41	1.5
EFF	19.1	8.43	1.1
EFF	19.0	8.45	0.8

1015 Open up valves from large substrate tanks to allow to equalize w/ smaller tanks.

Collect Forward Flow Samples

INF-1	1035
INF-2	1034
INF-3	1033
EFF-4	1031
EFF-5	1029
EFF-6	1027
EFF-7	1025
EFF-8	1022

1035 Take samples to MWH Labs.

1110
Adjust Flows

R1 0.80 → 1.03

R2 0.93 → 1.00

1120
SWITCH EFFLENT ROUTING INTO GREEN BAKER TANK

1200 OFFSITE.

DTH

MONDAY OCTOBER 7

915 ONSITE.

SYSTEM CHECK

Q_{R1} = 1.03 gpm

Q_T = 8117.8 gal

Δ = 4136 gal ; AV. Q (72 hr) = 0.96 gpm

Q_{R2} = 0.63 gpm

Q_T = 7216 gal

Δ = 3449 gal ; AV. Q (72 hr) = 0.80 gpm

P_{R1} = 21 psi

P_{R2} = 19 psi → 13 psi

PUMP OUTLET — CLOSER TO TANK INLET

R1 INT – 2 psi

R2 INT – 5 psi

R1, R2 EFF – 0 psi

VOL NUTRIENT TANKS = 68 + 71 gal

Δ = 59 gal ; Avg. Q /72 hr = 0.82 gpm low

945 SPW Dennis – MWH Labs.

Obtained ClO_4^- / NO_3^- results from 10/2/02 (will have Ac results ~~from~~ later today). Also told him we will be sampling tomorrow.

1000

	T °C	pH	DO mg/l
INF	21.5	7.06	6.7
R1 INT	21.8	7.97	~~1.2~~ .6
EFF	21.6	8.24	.8
R2 INT	22.5	8.17	.8~~8~~
EFF	22.3	8.22	.8
EFF	23.4	8.21	.8

1045 Switch over Effluent Pumpout To 1st Rain For Rent Tank.

Increased R1 Q to ~1.0 gpm.

1300 Noticed Q_{R2} was about 1.5 gpm. Reduced pump speed to bring flow back down to ~1 gpm.

1500 Switched Effluent Pumpout Back into Green Baker Tank due to 1st Rain For Rent Tank being pretty full.

1500 P. Tinnes departs site to pu sampling containers from office (will sample 1st Rain For Rent Tank tomorrow).

1520 Prepare to check parameters. pH probe calibration good. All standards w/i +/- 0.1 (9.98, 4.04, 7.09)

	T (°C)	pH	DO (mg/L)
INF	22.4	7.12	7.2
R1 INT	23.2	8.10	1.1 ↓
R1 EFF	23.8	8.33	0.8
R2 INT	23.5	8.18	0.8
R2 EFF	29.3	8.20	~~0.8~~ ~~0.75~~ 0.65
EFF	26.8	8.23	0.6

1550 Dennis - MWH Labs called to say 10-2 acetate results will be ready tomorrow, along w/ 10-4 NO_3^- / ClO_4^- results.

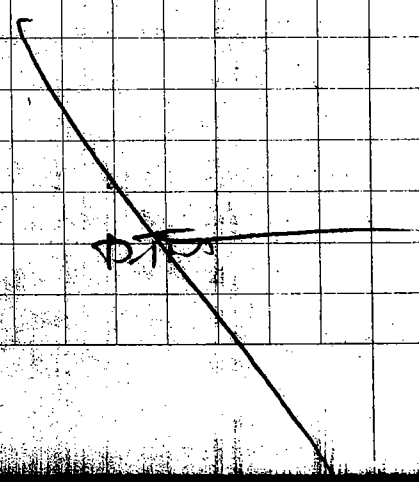
1610 Noticed Q_{R2} had dropped to ~ 0.8 gpm. Increased pump speed to bring them back to ~ 1 gpm. Q_{R1} OK @ 1 gpm.

Q_{R2}, TOT = 7,646 gal

Q_{R1}, TOT = 8,519 gal

VOL NUTRIENT TANKS 65 + 68 gal

1620. Offsite



DTS

TUESDAY OCTOBER 8

930 Arrive on site. EQ Tank #1 is overflowing due to low pump out rate. ~~System backed up~~ Discovered system backed up due to high pressure drop through IX unit. Replumbed flow through spare IX unit (which has never been used).

130 Re-started system. Upon switching to site influent feed pumps were still operating (and causing EQ Tank 1 to overflow). Q_{R1} was about 0.9 gpm, Q_{R2} was about 0.8 gpm. System was shut down for about 1½ hours.

Check Totalizer Readings:

9,605 – R1 : Δ = 1006 gal Av. .106 GPM (17 hr)

8,602 – R2 : Δ = 956 gal Av. .096 GPM (17 hr)

Q_{R1} = 1.14 gpm

Q_{R2} = 1.04 gpm

1330 Add 10 gal bleach to EQ Tank #1 – to pump through GAC.

Check Parameters (NOTE: Q_{R1} = 1.17 gpm, Q_{R2} = 1.20 gpm)

	T	pH	D.O.
R1 INT	22.3	7.91	1.3
R1 EFF	23.0	8.10	0.8
INF	21.79C	7.24	6.2
R2 INT	22.5	7.99	~~1.5~~ 1.0
R2 EFF	23.7	8.06	.6
EFF	25.1	8.07	.4

1400 Collect samples from Baker Tank (Rain For Rent Tank #1)

1445 Collect samples for formal flume analysis.

EFF 8 – 1445

EFF-7 – 1449

EFF-6 – 1451

EFF-5 – 1453

EFF-4 – 1454

INF-3 – 1456

INF-2 – 1457

INF-1 – 1459

1500 Patrick departs site to drop off samples @ MWH Labs and Del Mar Analytical (Baker Tank).

1515 Dennis from MWH Labs calls w/ results from last week's sampling (Az - for Wed, complete for Fri.)

1600 Switch effluent pumpout ~~[illegible]~~ back to green Baker Tank.

ALSO, READJUST FLOWS FOR R1 & R2 FEED TO ~ 1.0 GPM

CHECK Q_T R1 = 8934 gal
Q_T R2 = 9908 gal

NUTRIENT TANKS —
VOL = 55 + 58 gal

SUBSTRATE TANKS —
#1 VOL = 80 gal + 21½" + 16½"
~~42~~ gal
168

#2 VOL - 70 gal + 16½"
129 gal

1645 offsite.

WEDNESDAY OCT. 9

P. Timmes onsite to facilitate pumpout of ~ 10k gal NH WW (treated PBR effluent) from 2nd Blue Rain For Rent Tank. Pumper trucks (Island Environmental onsite from approx. 0700 to 0900)

930 System check.

Q_{R1} = 0.96 gpm; $Q_{R1,TOT}$ = 10,938 gal
Q_{R2} = 0.5 gpm; $Q_{R2,TOT}$ = 9,730 gal

Δ ⇒ Q_{AV} lth = 1.0 gpm

Δ ⇒ Q_{AV} lth = [illegible] gpm

P_{R1} = 18 psi (inlet)
P_{R1} INT = 4.5 psi
P_{R1} EFF = 0 psi
P_{R2} = 15 → 11 (PUMP OUTLET)
P_{R2} INT = 2.5 psi
P_{R2} EFF = 0 psi

VOL NUTRIENT TANKS =

47 + 50 gal = 97 gal TOT

Δ = 16 gal ≅ 0.99 gph — ok (17h)

VOL SUBSTRATE TANKS

R1 = 71 gal + 19" (149 gal)

R2 = 62 gal + 14" (110 gal)

Δ = 28 gal / 17 h = 1.6 gph

Δ = 27 gal / 17 h = 1.6 gph

INCREASE Q_{R1} to 1.0 gpm

1000 Check Parameters

	pH	T	DO
INF	7.09	20.2	6.8
R1 INT	7.98	20.2	1.0
R2 INT	7.98	20.4	1.2
R1 EFF	8.22	20.0	1.0
R2 EFF	7.95	19.7	1.2
FINAL EFF	8.16	19.8	0.9

INCREASE SUBSTRATE PUMP SPEEDS TO 50% SPEED)

STROKE (FOR 2 GPH / 1 GPM)

1045 – 1545 offsite – @ ICI

1600 System check – noticed

Q_{R2} = 1.8 gpm –

REDUCED Q back to ~1.0 gpm

R1 flowmeter not reading due to bypass loop being open. ~

300 gal water was bypassed.

1700

System Check –

Q_{R1} = 1.02 gpm

$Q_{R1\,TOT}$ = 11,021.2 gal

Q_{R2} = 1.01 gpm

$Q_{R2,TOT}$ = 10,422.6 gal

1705 offsite.

TO DO FOR THURSDAY -

- Schedule next week's Island Env. PU's
- Joe L. security clearance for next Monday
- EFF-7 RESULT - VERIFY

THURSDAY OCTOBER 10

650 Arrive onsite. Island Env. Services on-site to vacuum out water from 2nd Rain for Rent Tank 2 tracks = 10,000 gallons

700 Island Env. begins vacuuming out water.

System check

Q_{R1} = 1.03 gpm

Q_{R2} = 0.66 gpm *

Q_{TR1} = 11,896 gal ; Δ = 875 gal/14h = 1.09 G

Q_{TR2} = 11,090 gal ; Δ = 667 gal/14h = 0.79 G

* Incr. Flow to 1 gpm

P_{R1} = 17 psi @ inlet, 4 psi interm.

P_{R2} = 19 psi @ inlet (11 psi closer to reactor), 1.5 psi @ interm.

Pumpout still into green Baker Tank. Capacity OK - about 3/4 full

EST. 20' x 8' x 3' = 3600 gal

1 DAY MAX

NUTRIENT TANKS –

37 gal + 40 gal = 77 gal

Δ = 20 gal / 22 hr = 0.9 gph OK

SUBSTRATE TANKS –

#1 – 52 gal + $\pi(13^3/4''/12) \times \frac{4^2}{4} \times 7.48$

= 159.7 gal

#2 – 46 gal + $\pi(9.5''/12) \times \frac{4^2}{4} \times 7.48$

= 120.4 gal

Δ 1 = 60.3 gal ⇒ 3.0 gph HIGH

Δ 2 = 51.6 gal ⇒ 2.5 gph OK

REDUCE R1 PUMP SETTINGS TO 45%, 45%.

0745 Island Env. finishes pumping groundwater. Empty Rain for Rent Tank #2 & pump a little water from Tank #3. Standing by for Mark Arahi – JPL.

845 Mark Arahi signs manifests for 2 tanker truck loads. FES offsite.

0850 Check Parameters

	pH	T (°C)	DO (mg/L)
INF	7.16	19.7	6.7
R1 INT	8.11	19.4	1.5
R1 EFF	8.27	19.1	1.2
R2 INT	8.37	19.3	1.3
R2 EFF	8.38	19.1	1.2
EFF	8.32	18.9	~~1.0~~ 0.9

1035 – 1058 Collect forward flow samples for analysis @ MWH Labs.

1300 Begin making down substrate & nutrient tanks.

1400 Adding NaAc (Anhyd) to make down ST's 182 as follows (based on vol added from this morning's measurements) :

ST #1 -

150 gal tank - 1.4 kg
375 gal tank - 3.8 kg

ST #2 -

150 gal tank - 1.5 kg
375 gal tank - 4.3 kg

NUTRIENT tanks -

Add 380 g (1/2 to each of 150 gal tanks)

1500 Nutrient Q_{R2} had increased to ~ 1.2 GPM (at 1300). Reduced flow to ~ 1 GPM.

1520 Finished adding water & solutes to all tanks.

P. Tinnes off-site.

1615 Final System Check

Q_{R1} = 0.97 gpm ; Q_{R1} tot = 12345 gal
Q_{R2} = 1.0 gpm ; Q_{R2} tot = 11683 gal

Friday Oct 11 2002

900 on site P. Tinnes

930 Parameters

X	T	pH	DO
INF	20.1	6.75	7.2
R1 INT	20.0	7.78	1.1
EFF	19.8	8.16	1.3
R2 INT	19.9	8.02	1.4
EFF	19.6	8.23	1.1
EFF	19.5	8.28	1.1

1100 Add 10 bleaches to EFF Tank

1130 Get Samples for disposal

12:00 Leaves site

MONDAY OCTOBER 14

645 ONSITE D. TIETJE.

650 SYSTEM CHECK - OK

Q_{R1} = 10 GPM

$Q_{R1,TOT}$ = 17,727 gal

Q_{R2} = 1.06 GPM

$Q_{R2,TOT}$ = 16,598 gal

P_{R1} = 16 psi (Inlet)
4.5 psi (Int)
0 psi (eff)

P_{R2} = 15 → 10 psi (Inlet)
1 pump disch, 1 closer to inlet

P 2.5 (Int)
0 (eff)

TANK VOLUMES:
ST #1 : 100 gal + 27" - 212 gal
ST #2 : 101 gal + 25.5" - 200 gal

NUTRIENT TANKS:
113 gal + 111 gal

0700 Island Environmental onsite to offload water from Tank #3.

0715 Check Parameters

	T (°C)	pH	DO (mg/L)
INF	18.6	7.33	5.8
R1 INT	18.5	8.03	1.0
R1 EFF	18.2	8.12	1.4
R2 INT	18.5	8.32	1.3
R2 EFF	18.3	8.37	1.1
EFF	17.6	8.18	0.9

745 Island Env. finishes filling 2 × 5,000 gal tanks. Standing by for SPL to sign manifest

830 Monk Archd signs manifests

845 Island Env'l off-site.

915 S/w Dennis - MWH Labs. Told him we would be sampling today & Wed, Fri this week.

1000 Barnebey Sutcliffe onsite to sample GAC in MX-200s & LM-36 vessels.

1230 Collect samples for lab analysis.

INF	1248
R1 INF	1245
R2 INF	1246
R1 INT	1243
R1 EFF	1239
R2 INT	1241
R2 EFF	1237
EFF	1235

1300 Increase Nitrate Feed Rate For Both Reactors by Increasing Pump Settings to 80% SP/ST for each (vs. 45% 145%). this corresponds to ~5 gph.

Check Tank Volumes:

ST #1 : 95 gal + 25.5" - 200 gal
#2 : 96 gal + 24" - 188 gal
@ 5 GPM, supply will be good for ~ 8.5 day
Will Add More Substrate Wed., Make Enough Sol'n To Last Until Fri.

NOTICED Q_{R1} and Q_{R2} are both ~ 1.2 GPM will re-check @ end of day.
ADD ~ 150 gal Wed. AM
90 gal Th. PM

1500 Reduce Q_{R1} & Q_{R2} to ~1 GPM.

1530 Offsite

DTS

Tuesday Oct 15

900 on site

930 After talking with Dr. Tietje removed DI Cylinders from system.

1000 check parameters

INF	19.5	7.14	8.5
~~INF~~	T °C	pH	DO mg/l
R1 INT	19.3	7.87	1.8
EFF	19.0	8.02	1.6
R2 INT	19.2	8.17	1.5
EFF	18.9	8.24	2.0
EFF	18.8	8.16	1.0

1200 Left site for Santa Ana Office

Wednesday

~~900~~

700 Onsite with island Transportation

830 Island offsite

1115

	T °C	pH	DO mg/l
INF	18.5	7.60	7.0
R1 INT	19.1	7.63	2.0
EFF	19.1	7.89	1.4
R2 INT	19.2	8.29	2.4
EFF	19.0	8.40	1.7
EFF	18.8	8.14	1.0

1430

	T °C	pH	DO mg/l
INF	19.3	7.42	7.0
R1 INT	19.7	7.56	2.1
EFF	19.5	7.87	1.4
R2 INT	19.7	8.29	2.1
EFF	19.5	8.37	1.4
EFF	19.3	8.16	1.1

THURSDAY OCTOBER 17

915 D. Tietje onsite.

SYSTEM CHECK

ACETATE FEED TANKS ARE EMPTY. TURN OFF PUMPS. ADD FRESHWATER TO TANKS TO MAKE UP.

Q_{R1} = 0.7 GPM

Q_{R2} = 0.47 GPM

Q_{R2} TOT = 20922 gal

Q_{R1} TOT = 22170 gal

PR1 INF = 18-19 psi

PR1 INT = 4 psi

EFF = 2½ psi

PR2 INF = 15 → 11 psi

PR2 INT = 3½ psi

PR2 EFF = 2½ psi

NUTRIENT FEED TANKS –

HAVE 7679 gal

Δ (FROM MONDAY AM) = 69 gal

/72 hr ≅ 0.96 → 1 gph on

SINCE MONDAY, HAVE TREATED ~ 4993 gal through R1

SINCE MONDAY HAVE TREATED ~ 5277 gal through R2

Avg. Q/R1 ≅ 1.0 gph /72 hr on

Avg. Q/R2 ≅ 0.9 gph / 72 hr on

1015 ADD ~ 2 kg NaNO3 (aq) & 150 gal tap water to each 150 gal ST. Resume AC feed @ ~ 5 gph (reduce pump speed/stroke to 70%, 70 f. b/c Q feed @ 60% / 80% is > 5 gph)

ADJUST INFLUENT PUMP FEED SETTINGS SO Q_{R1} ≅ Q_{R2} ≅ 1.0 gpm

1145 * Check Parameters

NOTE: CHECKED & ADJUSTED CALIBRATION OF pH probe – 7, 4 – OK
10 ~ 9.85 (low)

	pH	T(°C)	DO(mg/L)
INF	7.20	20.0	7.8
R1 INT	7.83	19.8	2.0
R1 EFF	7.90	19.8	1.3
R2 INT	8.34	20.2	1.0
R2 EFF	8.42	19.9	1.1
EFF	7.97	20.3	1.4

* NOTICED $Q_{R1,R2}$ were ~ 1.2 to 1.4
Adjusted back to ~ 1.0 gpm.

1400 Switched ~~pump~~ effluent to RFR Tank #1 instead of #2 since it has about 2x capacity.

1530 Waste Acceptance @ CWM called to say that the 1st RFR Tank sample analyses were OK & we were approved to ship this WW to their facility.

1630 SYSTEM CHECK

SUBSTRATE TANKS

#1 – VOL = 114 gal
#2 – VOL = 112 gal
$\Delta 1 = 36/6 \cong 6$ gph
$\Delta 2 = 38/6 > 6$ gph
∴ REDUCE PUMP RATES
ADJUST SETTINGS to
~ 60% SP) STR

NUTRIENT TANKS

#1 – 73 gal
#2 – 76 gal

Q_{R1} = 0.90 GPM
$Q_{R1,TOT}$ = 22600 GAL
Q_{R2} = 1.0 GPM (ADJUSTED – WAS 0.88)
$Q_{R2,TOT}$ = 21,390 GAL

FRIDAY OCTOBER 18

0845 ONSITE

MCMASTER-CARR ON-SITE TO DELIVER 55-GAL DRUMS.

9 SYSTEM CHECK

Q_{R1} = 1.08 GPM ; $Q_{R1\ TOT}$ = 23642 gal
Q_{R2} = 0.87 GPM ; $Q_{R2\ TOT}$ = 22,240 gal

$P_{R1\ IN}$ = 19 psi
$P_{R1\ INT}$ = 5 psi
$P_{R1\ EFF}$ = 0 (<2)

$P_{R2\ IN}$ = 20 → 13 psi
R2 INT = 2.5
R2 EFF = <2

Substrate Tanks
#1 - 30 gal - ΔV = 84 gal ; Q_{AV} = 4.9 gph ✓
#2 - 29 gal - ΔV = 83 gal ; " "

ΔQ_{R1} = 1042 gal ; Q_{AV} = 102 gpm/17 h
ΔQ_{R2} = 900 gal ; Q_{AV} = 0.88 gpm/17 h

ADD ~ 10 gal water to each ST TO ENABLE SYSTEM OPERATION FOR 5 MORE HOURS.

NUTRIENT TANKS
WL = 67, 70 gal

~~930~~ 1000 CHECKING PARAMETERS

	pH	T	D.O.
INF	~~7.24~~ 7.32	19.6°C	7.2 mg/L
R1 INT	7.96	19.5	1.4
R1 EFF	8.10	19.4	2.0
R2 INT	8.22	19.8	2.6
R2 EFF	8.31	19.6	1.7
EFF.	8.23	19.1	2.0

1025 Collect Samples

EFF-8	1025	EFF-5	1033
EFF-7	1027	EFF-4	1036
EFF-6	1030	INF-3	1040
		INF-2	1038
		INF-1	[illegible]

1100 LV SITE TO DROP OFF SAMPLES @ LAB, PM LUNCH.

1300 NOTICED INFLUENT FEED PUMPS WERE SHUT OFF UPON RETURNING TO SITE. THIS WAS DUE TO FLOAT REACHING A LOW LEVEL — OVERRIDE THE FLOAT FOR SUBSEQUENT FLOW. ESTIMATE FLOW WAS SUSPENDED FOR SHORT TIME SINCE VOL IN TANK DROPPED ABOUT 200 GAL and @ 2 GPM ΔV would be ~240 gal in 2 hours.

1930 Pumped ~~Product~~ water out of 500# GAC unit.

1945 Check Parameters (in anticipation of sampling)

	pH	T (°C)	DO (mg/L)
INF	7.91	20.4	8.5
R1 INT	7.90	20.7	0.4
R1 EFF	7.97	20.6	1.4
R2 INT	8.15	20.8	2.0
R2 EFF	8.19	20.8	1.4
EFF	—	—	—

1500 SET UP DEL MAR COURIER PU FOR MONDAY.

1520 Collect samples for lab analysis:

EFF-8 – 1528
EFF-7 – 1531
EFF-6 – 1534
EFF-5 – 1537
EFF-4 – 1540
INF-3 – 1541
INF-2 – 1542
INF-1 – 1543

1545 Finish sampling. Begin pumping down influent tank

1100 OFFSITE.

TO DO'S - MONDAY -

1. CALL MARK ARAKI - APPROVAL OF PAIN FOR RENT TANK # 2 RESULTS

2. CALL RICHARD RE: STAGING OF WASTE CONTAINERS & LARGE EQUIPMENT

MONDAY OCT. 21

0720 Onsite, D. Tietje

TUESDAY 10/22/2002

0800 - ONSITE (PZ)

0900 - MET w/:

Richard Zuronski (USN/JPL)
Greg Fiol (Arcadis)
Leticia Woodward (JPL)
Bob (JPL/security)

Discussed modified demob plan.
As per RZ equipment + materials including waste pending disposal to be staged on site next to Green Baker tank and fence will stay up but be modified and Green Baker tank will turn over to Arcadis full of water.

1015 - continue demob process
Spoke w/ VH re: transfer to Green tank
Spoke w/ Radical @ Del Mar
re: analytical (Fish Bio Assay)
Spoke w/ Mark Arani (JPL)
Spoke w/ Don Adams (MP Enviro.)
re: quote to be faxed to VH
for transporting contents of tank #1
to green baker tank. (~ $65-/hr)

Called Joe Leslie (BS) (562) 716-1798 cell
Sched'd bioreactor + GAC unit
to be demolished Tues 10/29 @ 0900.

Removed sand + piping
disposed of visqueen and trash
throughout day.
2 loads of small material
and equipment to conex box.

1700 - EOD

Wednesday 10/23/2002

0800 - PZ ONSITE (Rec'd PO from MP en route)
→ MP Environ Services PO # 044525
Called Derek @ Island Enviro.
tent. sched'd trucks for Thurs, Fri
Mon + Tues.
Call M. Araki to confirm this was good
to go.
Spoke w/ Ed @ CWM facility
to inform him of work en-route
to his facility over the next days.
Informed Leticia we'll need
1. forklift on 10/29 from 0830-0930.
2. Sec clearance for Island personnel
3. Sec clearance for MP personnel
4. Sec clearance for Rain for Rent
personnel Sat.
* We will be working Sat @ 0730
Spoke w/ Tom (Nat'l Rent a Fence)
to have crew out 10/30 to demol.
fence
Spoke w/ MA - he requested ↓ sign man
prior to 0830
1115 - OFFSITE
→ Sched'd Island
for 0500

Thursday 10/24/2002

0500 ONSITE @ SPL
meet Island truck @ 2nd gate

0545 - Begin pumping from Green Baker tank

0700 - Pumping complete — manifest complete
call + leave message for Mark Araki that pump truck are done + manifests complete and standing by for his signature at his earliest convenience this morning.

0845 - Mark Araki onsite signs manifest
Island Environmental trucks move out of site (backing up)

0900 - Island offsite.
Spoke w/ Ron Petit @ Santa Ana left mssg.
Spoke w/ Paul @ STL (714) 258-8610 to confirm ICI samples had been picked up yesterday.
Spoke w/ VH
Continued demob activities.

1100 - Break for lunch.

1200 - Started disassembling electrical conduit + electricity from trailer disconnected.

1500 - Spoke w/ Don ~~[illegible]~~ @ Equipco
Called YSI offrent and informed him of return plan.
Spoke w/ Golden Trailer rental re: demob plan for trailer
Spoke w/ Leticia
↳ gave names + numbers of vendors expected onsite during upcoming demob activities.
↳ discussed progress + schedule.

1600 - Offsite

10/24/2002

Friday 10/25/2002

0530 - ON SITE

0615 - Island Environmental vac trucks on site.

0630 - Begin pumping remaining contents of Gas baker tank out.

0745 - pumping completed, manifest completed and ready to be signed. Standing by for Mark Araki (JPL)

0830 - Mark Araki signs manifests + Island vac trucks leave site.

* Leave site w/ Island trucks headed for Santa Ana Office

- Spoke w/ Don Adams MP Env.
  ↳ quote for disposal of asphalt to be faxed to VH by Monday.
- Spoke w/ LW confirm MPE work as well as R4 Rent to demole 2 of 3 frac tanks on Saturday.

10/25/02

SATURDAY 10/26/2002

0600 - on site @ JPL.
Prep for MP Env. @ 0630 - 0700

0645 - MP Env. on site. set up to pump contents of #2 tank into empty Gas Baker tank + begins pumping.

0930 - MP Environmental blows gear box on pump. Prepares to take 1st truck back + exchange for different one. On way out of site Juan Padilla (MP Env. driver/operator) backs into crash post @ corner of J street + Lodi Rd (infront of Bld 97C)

* Bollard bearing + utility cabinet adjacent post dented when post leaning into it. No damage to trailer. Minor damage (dents) to utility cabinet and scratches only on post - uprooted at base - needs to be re-set.

1000 - MP continues on to swap trucks/trailers

1100 - MP back on site. No sign of R4R yet. Call'd them @ and they dispatched truck and driver right away. MP continues to pump #2 to frac tank.

10/26/2002 cont'd

1135 - R4Rent onsite. Driver SAL inspects frac tank #2
↳ going to need to be steam cleaned - I acknowledge + OK. due to algae + sediment.

1200 - #2 hitched.
Green baker tank full ∴ MP Env. Vac truck empty.

1205 - As R4Rent begins to pull #2 out notice flat rear tire. Pull them over to side + stage tank. MP driver writing accident stat

1230 - Frac Tank #3 hitched and ready to go.

1300 - R4Rent w/ #3 offsite. tire service has been ordered to come to site and repair tire on flat #2.

1330 - MP Environmental offsite after assisting me w/ Incident Report.

1400 - Clean up + dispose of visqueen arrange temp fence around #1

1530 - Offsite - leave mssg w/ VH ser. incident

1730 - Speak w/ Robert @ R4R sched R4R to pick up last tank (#1) when empty Wed 10/30 @ 0530.

Monday 10/28/2002

0530 - Onsite prep for Island Env. Vac truck

0600 - Island onsite begins vacuing first 1/2 of contents of #1 tank w/ 2 trucks

0730 - Island done but content remain ~ 10000-15000 gallons remain (2nd 1/2) Call + speak w/ Derek @ Island to get 3rd 4th truck out this Tues morning. They cannot be earlier so all trucks will be here tomorrow morning @ 0630 to get last content in tank before R4R takes tank @ 0530 on Wednesday 10/30/02

0835 - Mark Araki on site signs manif

0845 - Island Environmental offsite

0850 - Call LW (JPL) RZ (Navy) inform (leave mssgs) re: sat. incident. Call VH speak w/ him re: incident. Inquire if he rec'd Don Adams quote for asfalt demo. Complete incident report. Call Luke @ Chem Waste - touch base + inform of disposal sched

10/28/2002 cont'd

- Call Don @ Equipco - explain that YSI was of rent wed but not brought in Fri as planned - will Fed Ex today.
- Call Mark Lose + sched pick up of his materials + supplies: tentatively sched'd for Wed @ noon.
- Speak w/ LW
  - ↳ move fence back to 3 spaces from green lobe tank
  - ↳ review incident of 10/26/02 sched'd for 10/29 @ 08-0900

10/28/2002

Tuesday 10/29/2002

0530 - onsite
0600 - Island onsite
0615 - begin vacing last of #1
0800 - Island done (full) both trucks but still ~1000 gallons remain in #1. Call dispatcher to get another truck out this morning - no luck. So 5th truck sched'd for 0300 Wed morning so #1 will be empty and ready to roll by 0530 when RAR get on site.
0830 - Mark Apolis onsite - sign manifest - bring @ copies of of prior manifest.
0845 - Island off site
0910 - Barnsby Sudliff onsite to take 5 bio reactors and 1 500lb GAC - their paperwork is a mess and does not reflect their work. So I adjust it by lining out + writing in actual work.
Jaime Hernandez of BS signs.

- Rec'd message from Myrna @ JPL facilities re: 10/26 incident.
- Rec'd call from Richard @ MP safety div - give him Myrna's # (818) 354-3010 tell him to call her and she can explain exactly what JPL requires & rectify situation (fix cabinet etc)

(661) 392-0113

- Speak w/ Mike Sayer (SOTA)
  ↳ get Mark Erikson ph # (626) 797-1091
  So I can sked movement of JPL fence.
- Speak w/ M. Erikson - fence sched'd & be moved on Wed afternoon

1100 - Depart JPL for ICI

10/29/2002

Wed 10/30/2002

0330 - PZ onsite
0425 - Island onsite
Vac remaining contents from #1 (≈ 2200 gal)
0515 - R4R onsite - hitch up #1
0600 - R4R offsite.
0830 - Mark Araki onsite - sign manifest. MP Env arrives @ 0730
0845 - Island Environmental offsite
↳ MP environmental drop small roll off & begins to pick up excess asphalt.
→ MP + I breaking up speed bump + remove steel pipe
1100 - Mark Loss on-site to get his equip + materials
1130 - Mark Erikson onsite to move JPL fence
1200 - Break for lunch

1300 - Return
- MP loads asphalt laden rolloff + departs JPL.
- Mark Erikson completes changes to JPL fence. offsite.

- Meet w/ Lettica Woolard
- Nat'l not coming for fence instead Arcadis will sign over to it. ∴ Foil of Arcadis onsite to remove temp fence and stage in pieces near JPL fence.
- Clean up.

1600 - Offsite. EOD

10/31/2002

Thursday 10/31/2002

0530 - Onsite

0630 - Golden trailer onsite demob trailer.

0800 - remove tie down. Final trash run and tools to conex.

1000 - Mtg w/ SOTA onsite to pull pump from well.
LW onsite - perform site walk
- she's "very happy & impressed" w/ our demob - ahead of sched by one day & very smooth

1040 - PZ offsite to complete paper work & order affairs @ close of demob.

10/31/2002