Mr. Paresh Khatri
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: 6310 Houston Place, Dublin, California 94568
ACEHS Case No. RO0002862, GeoTracker ID T0600113164

Dear Mr. Khatri:

I declare, under penalty of perjury, that the information and or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,

Mr. Cary Grayson

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

August 17, 2011
Project No. 2094-6310-01

Mr. Paresh Khatri
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Quarterly Monitoring and Sampling Report – Third Quarter 2011**
6310 Houston Place, Dublin, California 94568
ACEHD Case No. RO0002862, GeoTracker ID T0600113164

Dear Mr. Khatri:

Stratus Environmental, Inc. (Stratus) is submitting the attached report, which presents an update of work performed during the third quarter 2011 on behalf of Mr. Cary Grayson for the facility located at 6310 Houston Place, Dublin, California. Stratus representatives, whose signatures appear below, declare under penalty of perjury, that the information contained in the attached report are true and correct to the best of our knowledge.

If you have any questions regarding this project, please contact Mr. Kasey Jones at (415) 576-0373.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Kasey Jones
Project Manager

Stephen J. Carter, P.G.
Senior Geologist

PROFESSIONAL GEOLOGIST
Stephen J. Carter
No. 5577
STATE OF CALIFORNIA

Attachment: Quarterly Monitoring and Sampling Report, Third Quarter 2011

cc: Mr. Cary Grayson *(via email carybgrayson@gmail.com)*

August 17, 2011

QUARTERLY MONITORING AND SAMPLING REPORT

Facility Address:	6310 Houston Place, Dublin, California 94568
Consulting Co. / Contact Person:	Stratus Environmental, Inc. / Kasey Jones
Consultant Project No:	2094-6310-01
Primary Agency/Regulatory ID No:	Paresh Khatri, Alameda County Environmental Health Department (ACEHD) Case No. RO0002862

WORK PERFORMED THIS QUARTER (Third Quarter 2011):

1. In a letter dated June 9, 2011, the ACEHD commented on Stratus' "Pilot Test Report" dated February 24, 2011. In the letter, ACEHD requested that post-remediation verification groundwater monitoring be conducted on a semi-annual basis. During a follow-up telephone conversation between Stratus and ACEHD, it was confirmed that upon the completion of two semi-annual sampling events, if concentrations of all chemicals of concern continue to decrease or remain constant, the site will be considered for low-risk closure.

2. On July 5, 2011, Stratus conducted the third quarter 2011 post-remediation semi-annual groundwater monitoring sampling event. Prior to sampling, all wells were gauged for depth to water, temperature, pH, conductivity, dissolved oxygen (DO) and oxygen-reduction potential (ORP). Groundwater samples were collected and forwarded to a state-certified analytical laboratory for analysis. Field data sheets, sampling procedures and laboratory analytical reports are included as Appendices A, B, and C, respectively. Analytical results of sampled wells and depth to groundwater measurements have been uploaded to the State of California's GeoTracker database. Documentation of these data uploads is attached in Appendix D.

2. Stratus prepared and submitted an *Environmental Status Summary* to G&G International Holding Company on July 20, 2011 summarizing recent activities conducted at the site.

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2011):

1. Based on a letter from ACEHD, dated June 9, 2011, the second semi-annual post-remediation groundwater sampling event is due during the first quarter 2012. No groundwater monitoring or sampling is planned for fourth quarter 2011.

2. Based on the results of the pilot study and previous work performed at the site, Stratus has recommended the site be considered for low-risk closure.

Current Phase of Project:	Groundwater Monitoring
Frequency of Groundwater Monitoring and Sampling:	All Wells = Semi-annual (1st and 3rd)
Groundwater Sampling Date:	July 5, 2011
Is Free Product (FP) Present on Site:	No (Sheen noted in DW-3)
Approximate Depth to Groundwater:	6.12 to 7.49 feet below top of well casing.
Groundwater Flow Direction / Gradient:	West / 0.003 ft/ft

DISCUSSION:

On July 5, 2011, Stratus conducted the third quarter 2011 post-remediation semi-annual groundwater monitoring and sampling activities. Prior to sampling, all wells were gauged for depth to water, temperature, pH, conductivity, DO and ORP. A sheen was noted in onsite well DW-3. Groundwater samples were analyzed at a state-certified analytical laboratory for diesel range organics (DRO), with silica gel cleanup, by EPA Method SW8015B/DHS LUFT Manual, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tert-butyl ether (MTBE), and naphthalene by EPA Method SW8260B. Tabulated historical groundwater elevation data/analytical results are summarized in Table 1.

At the time of the July 5, 2011 groundwater monitoring event, depth to groundwater was measured between 6.12 and 7.49 feet below ground surface (bgs) in all monitoring wells. Groundwater monitoring data were converted to feet above mean sea level (MSL) and used to prepare a groundwater elevation contour map (Figure 2). Groundwater flow direction at the site is to the west with a calculated gradient of 0.003 ft/ft. Flow direction and gradient appear consistent with previous monitoring events.

Concentrations of BTEX or naphthalene were not reported in any of the sampled wells during third quarter 2011. DRO was reported in onsite wells DW-1 (380 micrograms per liter (µg/L)), DW-2 (210 µg/L), DW-3 (780 µg/L), DW-4 (300 µg/L), and DW-5 (220 µg/L). DRO concentrations reported for wells MW-1 through MW-3 are at historic lows; one order of magnitude lower than reported in first quarter 2011. A very low concentration of MTBE was also reported in onsite well DW-4 (0.96 µg/L). No concentrations of any sampled analytes were reported in offsite wells (DW-6 and DW-7) during third quarter 2011. Tabulated groundwater analytical data are summarized in Table 1. Certified Analytical results are presented in Appendix C. DRO, benzene, and MTBE concentrations for groundwater samples collected during the third quarter 2011 are presented in Figure 3.

The decreasing DRO concentrations at the site are evidence of the effectiveness of RegenOx™ injection. Stratus expects this trend to continue. The next scheduled sampling event (first quarter 2012) will confirm this prediction.

ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Summary
- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation Contour Map, Third Quarter 2011
- Figure 3 Groundwater Analytical Summary, Third Quarter 2011
- Appendix A Field Data Sheets
- Appendix B Sampling and Analyses Procedures
- Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix D GeoTracker Electronic Submittal Confirmations

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	**DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-1	04/10/07	7.44	334.23	326.79	8,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.72	334.23	326.51	30,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.88	334.23	326.35	18,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	6.16	334.23	328.07	13,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.96	334.23	327.27	15,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.55	334.23	326.68	5,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.02	334.23	326.21	11,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.58	334.23	326.65	5,600	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.43	334.23	326.80	540	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/13/11	6.81	334.23	327.42	1,700	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	6.47	334.23	327.76	380	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
DW-2	04/10/07	7.09	334.00	326.91	8,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.40	334.00	326.60	34,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.55	334.00	326.45	14,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	5.89	334.00	328.11	17,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.63	334.00	327.37	27,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.25	334.00	326.75	16,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	7.74	334.00	326.26	11,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.23	334.00	326.77	6,900	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.40	334.00	326.60	550	<0.50	<0.50	<0.50	<0.50	<0.50	--
	01/13/11	6.27	334.00	327.73	7,500	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	6.12	334.00	327.88	210	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
DW-3	04/10/07	7.90	334.56	326.66	27,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	8.19	334.56	326.37	210,000	<0.5	<1.7	<1.7	<1.7	<1.7	--
	10/11/07	8.29	334.56	326.27	71,000	<25	<25	<25	<25	<0.5	--
	01/25/08	6.63	334.56	327.93	66,000	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.38	334.56	327.18	58,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.94	334.56	326.62	38,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.41	334.56	326.15	29,000	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	8.12	334.56	326.44	29,000	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	8.02	334.56	326.54	6,300	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/13/11	7.06	334.56	327.50	1,800	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	6.88	334.56	327.68	780	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0

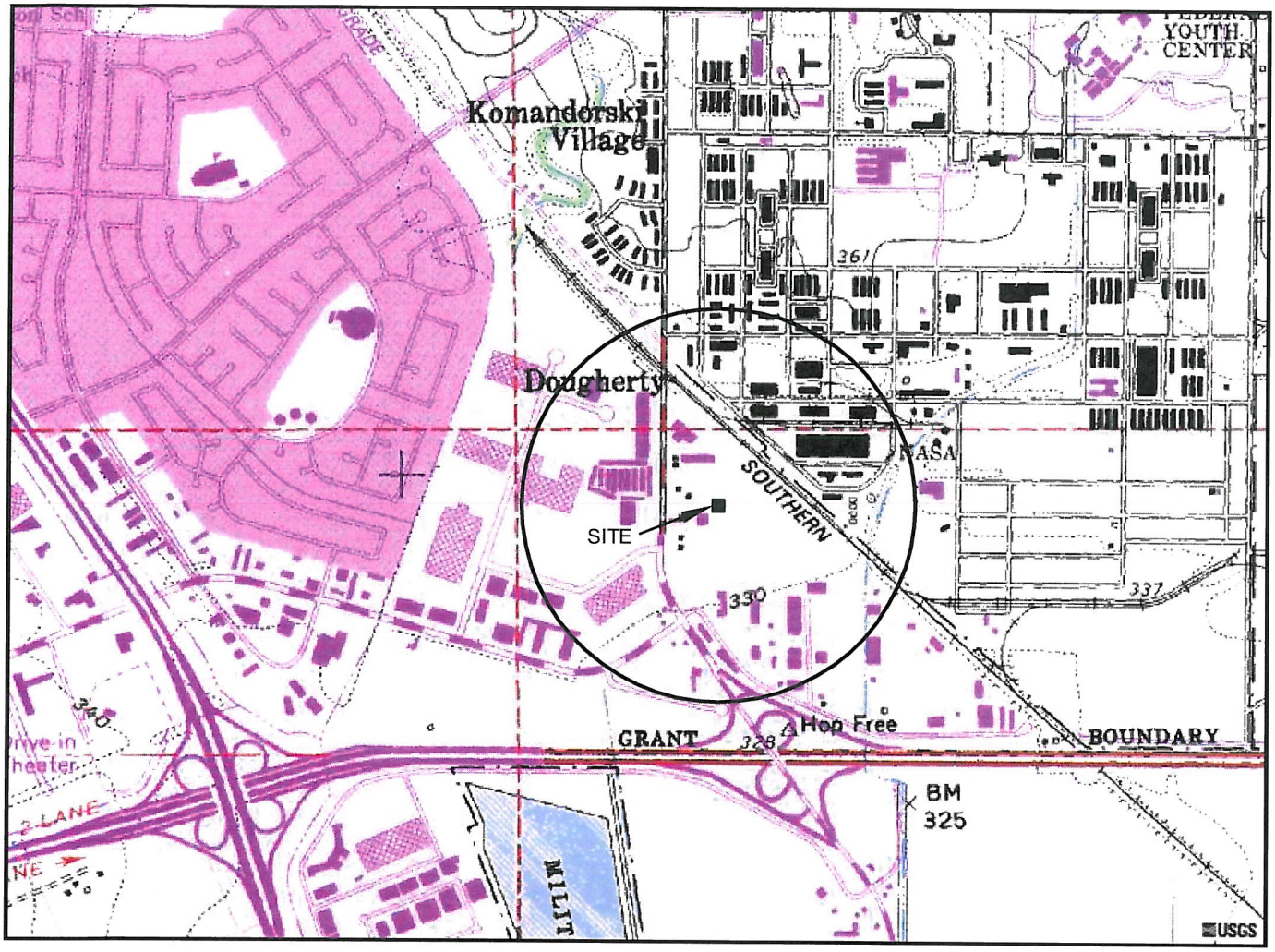
TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	**DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-4	04/10/07	7.99	334.49	326.50	65	<0.5	<0.5	<0.5	<0.5	0.67	--
	07/12/07	8.22	334.49	326.27	300	<0.5	<0.5	<0.5	<0.5	0.87	--
	10/11/07	8.33	334.49	326.16	640	<0.5	<0.5	<0.5	<0.5	0.80	--
	01/25/08	6.62	334.49	327.87	240	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.39	334.49	327.10	340	<0.5	<0.5	<0.5	<0.5	0.94	--
	07/23/08	7.94	334.49	326.55	<50	<0.5	<0.5	<0.5	<0.5	0.94	--
	10/30/08	8.39	334.49	326.10	<50	<0.5	<0.5	<0.5	<0.5	0.92	--
	01/11/10	8.13	334.49	326.36	65	<1.0	<1.0	<1.0	<1.0	<5.0	--
	08/03/10	8.00	334.49	326.49	370	<0.50	<0.50	<0.50	<0.50	0.76	--
	01/13/11	7.08	334.49	327.41	370	<0.50	<0.50	<0.50	<0.50	0.74	<4.0[3]
	07/05/11	6.91	334.49	327.58	300	<0.50	<0.50	<0.50	<0.50	0.96	<2.0
DW-5	04/10/07	7.00	333.91	326.91	800	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	7.36	333.91	326.55	990	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	7.52	333.91	326.39	880	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	5.93	333.91	327.98	730	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	6.52	333.91	327.39	780	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	7.24	333.91	326.67	340	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	7.68	333.91	326.23	1,200	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	7.47	333.91	326.44	130	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	7.32	333.91	326.59	490[1,2]	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/13/11	6.23	333.91	327.68	470	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	6.12	333.91	327.79	220	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
DW-6	04/10/07	8.62	334.99	326.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	8.81	334.99	326.18	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	8.53	334.99	326.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	7.16	334.99	327.83	<50	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.53	334.99	327.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	8.24	334.99	326.75	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.62	334.99	326.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	8.18	334.99	326.81	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	8.25	334.99	326.74	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--
	01/13/11	7.69	334.99	327.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	7.06	334.99	327.93	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
6310 Houston Place, Dublin, CA

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	**DRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
DW-7	04/10/07	8.11	335.18	327.07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/12/07	8.34	335.18	326.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/11/07	8.96	335.18	326.22	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/25/08	6.75	335.18	328.43	<50	<0.5	<0.5	<0.5	<0.5	--	--
	04/23/08	7.95	335.18	327.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/23/08	8.55	335.18	326.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	10/30/08	8.96	335.18	326.22	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	01/11/10	8.62	335.18	326.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	08/03/10	8.58	335.18	326.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	01/13/11	7.85	335.18	327.33	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/05/11	7.49	335.18	327.69	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0

Notes:
*Data through January 11, 2010, reported by AEI Contultants.
**Prior to 8/3/10, reported as TPH-D
DRO = total petroleum hydrocarbons as diesel (C13-C-22)
MTBE = methyl-tertiary butyl ether
µg/L = micrograms per liter
[1] = reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.
[2] = DRO concentration may include contributions from heavier-end hydrocarbons that elute in the DRO range.
[3] = Reporting limits were increased due to sample foaming.
-- = Not analyzed



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
DUBLIN, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1989

N

QUADRANGLE LOCATION

0 1800 FT

APPROXIMATE SCALE

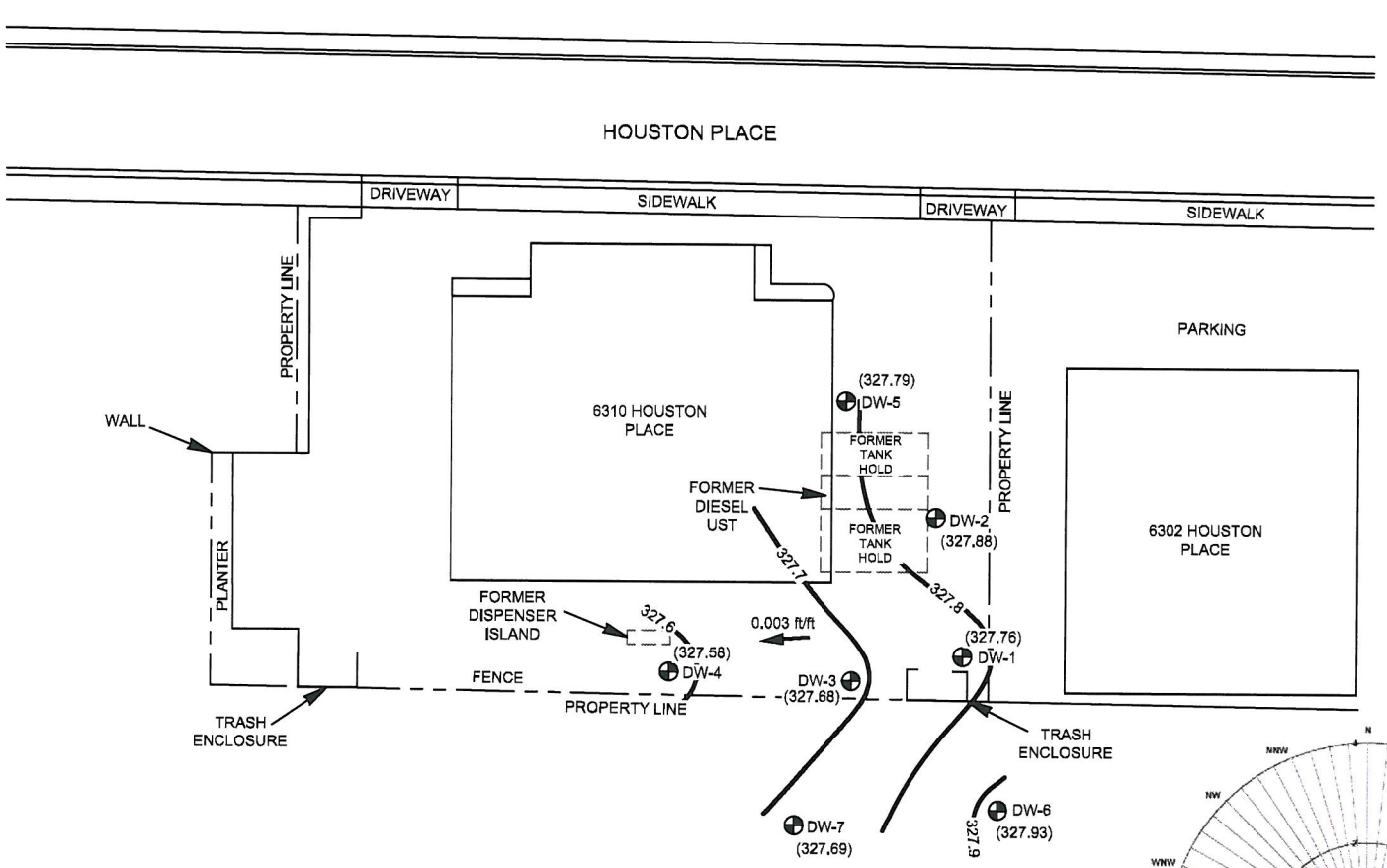
STRATUS ENVIRONMENTAL, INC.

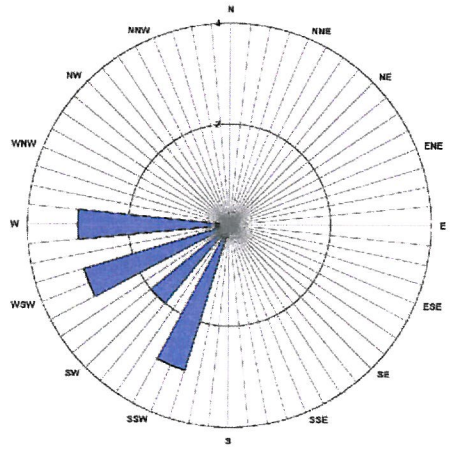
6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

SITE LOCATION MAP

FIGURE
1

PROJECT NO.
2094-6310-01





LEGEND

- DW-1 MONITORING WELL LOCATION
- (327.76) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
- 327.6 WATER TABLE CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
- INFERRED DIRECTION OF GROUND WATER FLOW

WELLS MEASURED: 7/05/11

STRATUS ENVIRONMENTAL, INC.

0 50 FT

SCALE

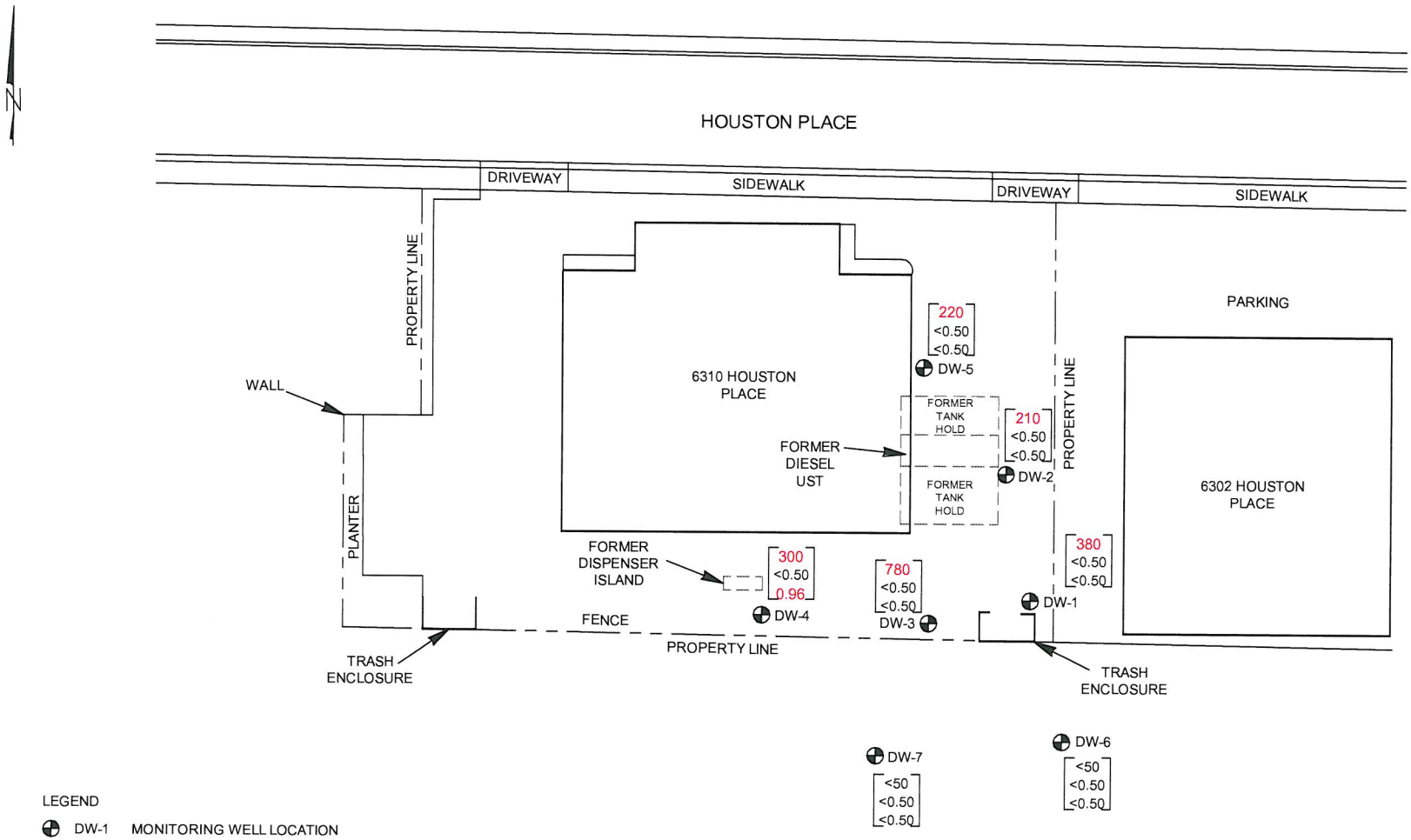
6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
3rd QUARTER 2011

FIGURE
2

PROJECT NO.
2094-6310-01

Bay Counties\Quarterly JMP REV August 2, 2011 Bay Co Quarterly Figures



LEGEND

DW-1 MONITORING WELL LOCATION

[<50 / <0.50 / <0.50] DIESEL RANGE ORGANICS (DRO) IN µg/L
BENZENE CONCENTRATION IN µg/L
METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

SAMPLES COLLECTED ON 7/05/11
DRO ANALYZED BY EPA METHOD 8015B
BENZENE & MTBE ANALYZED BY EPA METHOD 8260B

STRATUS ENVIRONMENTAL, INC.

SCALE 0 50 FT

6310 HOUSTON PLACE
DUBLIN, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY
3rd QUARTER 2011

FIGURE
3

PROJECT NO.
2094-6310-01

Bay Counties\Quarterly JMP REV August 2, 2011 Bay Co Quarterly Figures

APPENDIX A

FIELD DATA SHEETS

ORI NAI

STRATUS ENVIRONMENTAL, INC.

Site Address: 6310 Houston Place
City: Dublin
Sampled By: VZ
Signature: VZ

Site Number: Bay Counties Petroleum
Project Number: 2094-6310-01
Project PM: Kasey ~~Steve Carter~~ Jones
DATE: 7-5-11

Water Level Data					Purge Volume Calculations					Purge Method				Sample Record			Field Data
Well ID	Time	Depth to Product (feet)	Depth to Water (feet)	Total Depth (feet)	Water Column (feet)	Diamater (inches)	Multiplier	3 casing volumes (gallons	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW at sample time (feet)	Sample I.D.	Sample Time	DO (mg/L)
DW-1	0747		6.47	16.45	9.98	2	0.5	4.99	5.00		X		Low	6.47	DW-1	0933	.62
DW-2	0744		6.12	16.50	10.38	2	0.5	5.19	5.00		X		Low	6.12	DW-2	0943	.36
DW-3	0740	Sheen	6.88	16.50	9.62	2	0.5	4.81	4.50		X		Low	6.88	DW-3	0921	.69
DW-4	0735		6.91	16.75	9.84	2	0.5	4.92	5.00		X		Low	6.91	DW-4	0911	1.00
DW-5	0751		6.12	16.50	16.38	2	0.5	5.19	5.00		X		Low	6.12	DW-5	0900	1.03
DW-6	0727		7.06	16.80	9.74	2	0.5	4.87	5.00		X			7.30	DW-6	1047	.35
DW-7	0720		7.49	16.65	9.16	2	0.5	4.58	4.50		X			7.55	DW-7	1027	1.69

Multiplier
2" = 0.5, 3" = 1.0, 4" = 2.0, 6" = 4.4

Please refer to groundwater sampling field procedures
pH/Conductivity/temperature Meter - Oakton Model)PC-10
DO Meter - Oakton 300 Series (DO is always mesured before purge)

VZ

CALIBRATION DATE

pH	VZ	7-5-11
Conductivity		
DO		

STRATUS ENVIRONMENTAL, INC.

Site Address: 6310 Houston Place
City: Dublin
Sampled By: Vince Zalutka
Signature: VZ

Site Number: Bay Counties
Project Number: 2094-6310-01
Project PM: Kasey Jones
DATE: 7-5-11

Well ID	DW-5				
Purge start time	0759		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 0759	18.2	6.65	1548	Q	
time 0804	18.7	6.80	1523	2.5	
time 0809		Low	@	5.0	
time 0900	19.3	7.05	1428	5.0	
purge stop time	0809		ORP	93	

Well ID	DW-3				sheen
Purge start time	0811		Odor	(Y) N	
Bail	Temp C	pH	cond	gallons	
time 0811	18.2	6.98	1300	Q	
time 0816	17.9	7.01	1316	2.5	
time 0820	Low		@	4.5	
time 0921	18.7	6.96	1288	4.5	
purge stop time	0820		ORP	85	

Well ID	DW-4				
Purge start time	0822		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 0822	17.2	6.84	1644	Q	
time 0828	17.7	6.81	1649	2.5	
time 0832		Low	@	5.0	
time 911	17.8	6.87	1604	5.0	
purge stop time	0832		ORP	54	

Well ID	DW-1				
Purge start time	0835		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 0835	17.9	7.12	1891	Q	
time 0840	17.8	7.34	1920	2.5	
time 0845	Low	@	5 gal		
time 0933	18.4	6.96	1803	5.0	
purge stop time	0845		ORP	57	

Well ID	DW-2				
Purge start time	0848		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 0848	20.2	7.55	873	Q	
time 0853	19.9	7.40	800	2.5	
time 0858	Low	@		5.0	
time 0943	20.6	7.40	702	5.0	
purge stop time	0858		ORP	37	

Well ID	DW-7				
Purge start time	1007		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 1007	20.2	6.80	1579	Q	
time 1012	18.7	6.78	1614	2.5	
time 1027	19.1	6.88	1577	4.5	
time					
purge stop time	1027		ORP	35	

Well ID	DW-6				
Purge start time	1036		Odor	Y (N)	
Bail	Temp C	pH	cond	gallons	
time 1036	19.7	6.87	1579	Q	
time 1041	18.9	6.89	1613	2.5	
time 1047	18.9	6.96	1503	5.0	
time					
purge stop time	1047		ORP	67	

Well ID					
Purge start time			Odor	Y N	
	Temp C	pH	cond	gallons	
time					
time					
time					
time					
purge stop time			ORP		

SK

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typical a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Ground Water

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air from remaining in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped.

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of accruing to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconforments, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon® sheeting and plastic caps. The sample is then placed in a Ziploc® type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and

noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1-percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks – reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples – a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples – a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples – samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts – graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples – when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.

- Calibration standards and devices – traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks – reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates – duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks – reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Kasey Jones
Phone: (530) 676-6000
Fax: (530) 676-6005
Date Received : 07/06/11

Job: Bay Counties

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**DW-1**					
Lab ID :	STR11070668-01A	TPH-E (DRO), Silica Gel	380	50 µg/L	07/07/11	07/07/11
Date Sampled	07/05/11 09:33	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	07/07/11	07/07/11
		Benzene	ND	0.50 µg/L	07/07/11	07/07/11
		Toluene	ND	0.50 µg/L	07/07/11	07/07/11
		Ethylbenzene	ND	0.50 µg/L	07/07/11	07/07/11
		m,p-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		o-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		Naphthalene	ND	2.0 µg/L	07/07/11	07/07/11
Client ID :	**DW-2**					
Lab ID :	STR11070668-02A	TPH-E (DRO), Silica Gel	210	50 µg/L	07/07/11	07/07/11
Date Sampled	07/05/11 09:43	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	07/07/11	07/07/11
		Benzene	ND	0.50 µg/L	07/07/11	07/07/11
		Toluene	ND	0.50 µg/L	07/07/11	07/07/11
		Ethylbenzene	ND	0.50 µg/L	07/07/11	07/07/11
		m,p-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		o-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		Naphthalene	ND	2.0 µg/L	07/07/11	07/07/11
Client ID :	**DW-3**					
Lab ID :	STR11070668-03A	TPH-E (DRO), Silica Gel	780	50 µg/L	07/07/11	07/08/11
Date Sampled	07/05/11 09:21	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	07/07/11	07/07/11
		Benzene	ND	0.50 µg/L	07/07/11	07/07/11
		Toluene	ND	0.50 µg/L	07/07/11	07/07/11
		Ethylbenzene	ND	0.50 µg/L	07/07/11	07/07/11
		m,p-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		o-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		Naphthalene	ND	2.0 µg/L	07/07/11	07/07/11
Client ID :	**DW-4**					
Lab ID :	STR11070668-04A	TPH-E (DRO), Silica Gel	300	50 µg/L	07/07/11	07/08/11
Date Sampled	07/05/11 09:11	Methyl tert-butyl ether (MTBE)	0.96	0.50 µg/L	07/07/11	07/07/11
		Benzene	ND	0.50 µg/L	07/07/11	07/07/11
		Toluene	ND	0.50 µg/L	07/07/11	07/07/11
		Ethylbenzene	ND	0.50 µg/L	07/07/11	07/07/11
		m,p-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		o-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		Naphthalene	ND	2.0 µg/L	07/07/11	07/07/11

Alpha Analytical, Inc.

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Client ID :	**DW-5**					
Lab ID :	STR11070668-05A	TPH-E (DRO), Silica Gel	220	50 µg/L	07/07/11	07/08/11
Date Sampled	07/05/11 09:00	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	07/07/11	07/07/11
		Benzene	ND	0.50 µg/L	07/07/11	07/07/11
		Toluene	ND	0.50 µg/L	07/07/11	07/07/11
		Ethylbenzene	ND	0.50 µg/L	07/07/11	07/07/11
		m,p-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		o-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		Naphthalene	ND	2.0 µg/L	07/07/11	07/07/11
Client ID :	**DW-6**					
Lab ID :	STR11070668-06A	TPH-E (DRO), Silica Gel	ND	50 µg/L	07/07/11	07/08/11
Date Sampled	07/05/11 10:47	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	07/07/11	07/07/11
		Benzene	ND	0.50 µg/L	07/07/11	07/07/11
		Toluene	ND	0.50 µg/L	07/07/11	07/07/11
		Ethylbenzene	ND	0.50 µg/L	07/07/11	07/07/11
		m,p-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		o-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		Naphthalene	ND	2.0 µg/L	07/07/11	07/07/11
Client ID :	**DW-7**					
Lab ID :	STR11070668-07A	TPH-E (DRO), Silica Gel	ND	50 µg/L	07/07/11	07/08/11
Date Sampled	07/05/11 10:27	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	07/07/11	07/07/11
		Benzene	ND	0.50 µg/L	07/07/11	07/07/11
		Toluene	ND	0.50 µg/L	07/07/11	07/07/11
		Ethylbenzene	ND	0.50 µg/L	07/07/11	07/07/11
		m,p-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		o-Xylene	ND	0.50 µg/L	07/07/11	07/07/11
		Naphthalene	ND	2.0 µg/L	07/07/11	07/07/11

Diesel Range Organics (DRO) C13-C22

ND = Not Detected
Reported in micrograms per Liter, per client request.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

7/13/11
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR11070668 **Job:** Bay Counties

Alpha's Sample ID	Client's Sample ID	Matrix	pH
11070668-01A	DW-1	Aqueous	2
11070668-02A	DW-2	Aqueous	2
11070668-03A	DW-3	Aqueous	2
11070668-04A	DW-4	Aqueous	2
11070668-05A	DW-5	Aqueous	2
11070668-06A	DW-6	Aqueous	2
11070668-07A	DW-7	Aqueous	2

7/13/11

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *12-Jul-2011*

QC Summary Report

Work Order: 11070668

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B / E / SG**

File ID: **2A07071108.D** Batch ID: **26862SG** Analysis Date: **07/07/2011 11:10**

Sample ID: **MBLK-26862** Units : **µg/L** Run ID: **FID_2_110707B** Prep Date: **07/07/2011 08:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO), Silica Gel	ND	50								
Surr: Nonane, Silica Gel	186		150		124	49	145			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B / E / SG**

File ID: **2A07071107.D** Batch ID: **26862SG** Analysis Date: **07/07/2011 10:45**

Sample ID: **LCS-26862** Units : **µg/L** Run ID: **FID_2_110707B** Prep Date: **07/07/2011 08:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO), Silica Gel	2340	50	2500		94	70	130			
Surr: Nonane, Silica Gel	204		150		136	49	145			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B / E / SG**

File ID: **2A07071149.D** Batch ID: **26862SG** Analysis Date: **07/08/2011 12:53**

Sample ID: **11070127-07AMS** Units : **µg/L** Run ID: **FID_2_110707B** Prep Date: **07/07/2011 08:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO), Silica Gel	2500	50	2500	0	100	53	150			
Surr: Nonane, Silica Gel	195		150		130	49	145			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B / E / SG**

File ID: **2A07071150.D** Batch ID: **26862SG** Analysis Date: **07/08/2011 13:18**

Sample ID: **11070127-07AMSD** Units : **µg/L** Run ID: **FID_2_110707B** Prep Date: **07/07/2011 08:15**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO), Silica Gel	2510	50	2500	0	100	53	150	2503	0.3(47)	
Surr: Nonane, Silica Gel	181		150		121	49	145			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

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Date: 12-Jul-2011

QC Summary Report

Work Order: 11070668

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **11070705.D** Batch ID: **MS12W0707A** Analysis Date: **07/07/2011 10:16**

Sample ID: **MBLK MS12W0707A** Units : **µg/L** Run ID: **MSD_12_110707A** Prep Date: **07/07/2011 10:16**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Naphthalene	ND	2								
Surr: 1,2-Dichloroethane-d4	9.51		10		95	70	130			
Surr: Toluene-d8	10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene	9.78		10		98	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **11070704.D** Batch ID: **MS12W0707A** Analysis Date: **07/07/2011 09:53**

Sample ID: **LCS MS12W0707A** Units : **µg/L** Run ID: **MSD_12_110707A** Prep Date: **07/07/2011 09:53**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	10.5	0.5	10		105	65	140			
Benzene	9.66	0.5	10		97	70	130			
Toluene	9.59	0.5	10		96	80	120			
Ethylbenzene	10.5	0.5	10		105	80	120			
m,p-Xylene	10.6	0.5	10		106	70	130			
o-Xylene	10.7	0.5	10		107	70	130			
Surr: 1,2-Dichloroethane-d4	9.65		10		97	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.4		10		104	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **11070717.D** Batch ID: **MS12W0707A** Analysis Date: **07/07/2011 15:05**

Sample ID: **11070145-03AMS** Units : **µg/L** Run ID: **MSD_12_110707A** Prep Date: **07/07/2011 15:05**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	53.8	1.3	50	0	108	47	150			
Benzene	48.5	1.3	50	0	97	59	138			
Toluene	46.8	1.3	50	0	94	68	130			
Ethylbenzene	52.7	1.3	50	0	105	68	130			
m,p-Xylene	52.9	1.3	50	0	106	68	131			
o-Xylene	53.2	1.3	50	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	49.3		50		99	70	130			
Surr: Toluene-d8	49.2		50		98	70	130			
Surr: 4-Bromofluorobenzene	51.6		50		103	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **11070718.D** Batch ID: **MS12W0707A** Analysis Date: **07/07/2011 15:28**

Sample ID: **11070145-03AMSD** Units : **µg/L** Run ID: **MSD_12_110707A** Prep Date: **07/07/2011 15:28**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	52.1	1.3	50	0	104	47	150	53.75	3.1(40)	
Benzene	46.1	1.3	50	0	92	59	138	48.5	5.2(21)	
Toluene	44.9	1.3	50	0	90	68	130	46.78	4.0(20)	
Ethylbenzene	50.2	1.3	50	0	100	68	130	52.69	4.9(20)	
m,p-Xylene	49.1	1.3	50	0	98	68	131	52.85	7.4(20)	
o-Xylene	50.5	1.3	50	0	101	70	130	53.16	5.2(20)	
Surr: 1,2-Dichloroethane-d4	48.9		50		98	70	130			
Surr: Toluene-d8	49.5		50		99	70	130			
Surr: 4-Bromofluorobenzene	50.3		50		101	70	130			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *12-Jul-2011*

QC Summary Report

Work Order: 11070668

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : STR11070668

Report Due By : 5:00 PM On : 13-Jul-11

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Kasey Jones	(530) 676-6000 x	kaseyjones@stratusinc.net

EDD Required : **Yes**

Sampled by : Vince Z.

PO :

Client's COC # : 54997 Job : Bay Counties

Cooler Temp	Samples Received	Date Printed
2 °C	06-Jul-11	06-Jul-11

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/E_SG_W	VOC_W						Sample Remarks
STR11070668-01A	DW-1	AQ	07/05/11 09:33	8	0	5	Silica Gel (C)	BTXE/M/NA PH_C						
STR11070668-02A	DW-2	AQ	07/05/11 09:43	8	0	5	Silica Gel (C)	BTXE/M/NA PH_C						
STR11070668-03A	DW-3	AQ	07/05/11 09:21	8	0	5	Silica Gel (C)	BTXE/M/NA PH_C						
STR11070668-04A	DW-4	AQ	07/05/11 09:11	8	0	5	Silica Gel (C)	BTXE/M/NA PH_C						
STR11070668-05A	DW-5	AQ	07/05/11 09:00	8	0	5	Silica Gel (C)	BTXE/M/NA PH_C						
STR11070668-06A	DW-6	AQ	07/05/11 10:47	8	0	5	Silica Gel (C)	BTXE/M/NA PH_C						
STR11070668-07A	DW-7	AQ	07/05/11 10:27	8	0	5	Silica Gel (C)	BTXE/M/NA PH_C						

Comments: Security seals intact. Frozen Ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:		Cheryl Gamboles	Alpha Analytical, Inc.	7/6/11 13:12

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

54997

Billing Information:
Company Name: Stratus Env
Attn: Kasey Jones
Address: 3330 Cameron Park Dr. #550
City, State, Zip: Cameron Park, CA
Phone Number: 530 676-6004 Fax: 530 676-6005

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ___ CA X NV ___ WA ___ DOD Site ___
ID ___ OR ___ OTHER ___ Page # 1 of 1

Consultant / Client Name: Bay Counties (Bay Cnty)
Address: 6310 Houston Pl.
City, State, Zip: Dublin, CA
Job #:
Job Name:
Report Attention / Project Manager
Name: Kasey Jones
Email:
Phone: Mobile:

Analyses Required

Data Validation Level: III or IV

EDD / EDF? YES X NO ___
Global ID # ___

Time Sampled	Date Sampled *2c il	Matrix* See Key Below	P.O. # / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	# Containers**	Diesel 8015M w/ Silica Gel Cleanup	BTEX 8260B	MTBE 8260B	Naphthalene	REMARKS
0933	0705	AQ	STR1107068-01A	DW-1	Std		8 V	X	X	X	X	
0943			02A	-2								
0921			03A	-3								
0911			04A	-4								
0900			05A	-5								
1047			06A	-6								
1027			07A	-7			2	X	X	X	X	

FOR LAB USE ONLY

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled By: Vince Zalewski

Relinquished by: (Signature/Affiliation) Vince Zalewski	Received by: (Signature/Affiliation) Isa deSilva	Date: 7-5-11	Time: 1310
Relinquished by: (Signature/Affiliation) Isa deSilva 7-6-11 15:00	Received by: (Signature/Affiliation) Alpha	Date: 7/6/11	Time: 12:51
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

APPENDIX D

GEOTRACKER ELECTRONIC SUBMITTAL CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**GEO_WELL**
Submittal Title:	**GeoWell 7-5-11**
Facility Global ID:	**T0600113164**
Facility Name:	**BAY COUNTIES PETROLEUM**
File Name:	**GEO_WELL.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**12.186.106.98**
Submittal Date/Time:	**8/8/2011 1:46:53 PM**
Confirmation Number:	**6198667168**

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	**EDF - Monitoring Report - Quarterly**
Submittal Title:	**Analytical 7-5-11**
Facility Global ID:	**T0600113164**
Facility Name:	**BAY COUNTIES PETROLEUM**
File Name:	**11070668_EDF.zip**
Organization Name:	**Stratus Environmental, Inc.**
Username:	**STRATUS NOCAL**
IP Address:	**12.186.106.98**
Submittal Date/Time:	**8/8/2011 1:48:11 PM**
Confirmation Number:	4493177056

VIEW QC REPORT

VIEW DETECTIONS REPORT