



CITY OF
TUCSON
ENVIRONMENTAL
SERVICES

March 3, 2014

VIA U.S. CERTIFIED MAIL

Rincon Country East RV Resort
8989 East Escalante Road
Tucson, AZ 85730



Re: Transmittal of Water Quality Laboratory Results Rincon Country East RV Resort, Well ID # 412P

Dear Sirs:

Thank you for allowing the City of Tucson, Environmental Services (COT-ES) to sample the groundwater well at the Rincon Country East Mobile Home Park (Well ID # 412P). COT-ES appreciates your willingness to assist in the groundwater investigation in the vicinity of the Harrison Landfill.

COT-ES staff collected a sample in November 2013 for analysis of volatile organic compounds (VOCs). VOCs associated with the Harrison Road Landfill are shown in Table 1. None of these VOCs were detected in the sample. VOCs associated with the Harrison Road Landfill have not been detected in Well # 412P since COT-ES began monitoring it in May 2001.

The field data sheet and groundwater analytical laboratory report are attached. COT-ES will coordinate with you to sample the well in May and November of 2014. If you have any questions, please contact Molly Collins at (520) 837-3703.

Sincerely,

Nancy Petersen
Deputy Director

NP/MC/pu

Enclosures

Groundwater Analytical Report and Field Data Sheet
Table 1

cc: Harrison Landfill Operating Record File (letter only)
Molly Collins, COT-ES (email copy)
Well File 412P (letter only)

S:\EMCOMMONHARRISON\Correspondence\412PTrans_2nd2013.doc



Table 1
 Selected Groundwater Analytical Results
 Rincon County East Mobile Home Park

Sample Date	1-1 DICHLOROETHANE	CIS-1,2- DICHLOROETHENE	Methylene Chloride	TETRACHLOROETHENE	TRICHLOROETHENE	VINYL CHLORIDE	LEAD
412P							
11/12/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
05/20/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
02/19/13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
11/13/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
08/21/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
05/14/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
02/15/12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
11/14/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
05/16/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
02/22/11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
11/08/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
08/24/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
05/17/10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
11/03/09	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
05/18/09	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
11/04/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
05/20/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.7
11/07/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
05/17/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
11/09/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
05/24/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.9
11/16/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.2
05/11/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
05/11/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
11/17/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
11/17/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
05/12/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
11/24/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1
05/14/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
05/20/02	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
05/10/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2

<0.5 = Not Detected at the limit shown.

NA = Not Analyzed.

All concentrations are in ug/L.

ATTACHMENT 1
LABORATORY DATA PACKAGE AND FIELD
SHEET

Correction factor _____



CITY OF TUCSON

Environmental Services Sampling Data Form

HP _____

TD _____

D (diameter) _____

d factor _____

Well Name 412P

Project Harrison Landfill

Date Nov 12, 2013

Field Personnel GB/JB

Weather sunny/warm

Static Water Level _____

Time _____

Totalizer: End _____

Sounder ID _____

Start 0

Total (gal) 0

Discharge Rate(GPM) _____

Well Volumes (gallons):

1 0 1.5 0 2 0 2.5 0 3 0 3.5 0 4 0 4.5 0 5 0

Pump Time: Start _____

Meters and Type: YSI #1 YSI #2 YSI QS

End _____

Total (min) _____

Calibration Date: Nov 12, 2013

Parameters: (Stable within) +/-0.1 +/-3% +/-3% +/-10% +/-20 mv

	Gallons	Time (hrs)	pH	SpC (µS/cm)	Temp (C)	DO (mg/l)	ORP	PWL (feet)	Turbidity (ntu)
1	0	1339	7.55	505	25.07	5.89	100.2		.88
1.5	0								
2	0								
2.5	0								
3	0								
3.5	0								
4	0								
4.5	0								
5	0								

Sampling:

Samples Collected by: Jerry Barker Time Started: 13:37:00 Dup Time: _____ Time Ended: 13:39:00

Transferred to: TWQL Relinquished by: Jerry Barker Date: May 12, 2014

Reason for Sampling: Monthly Quarterly Semi-Annual Annual Investigation

Duplicate GAC Treatment Grab Sample Bail Sample

Comments: spigot sample. Totalizer: 63220700

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Tucson Water Quality Laboratory Report

License # AZ0038

Login Number: L29011

Date Collected: November 12, 2013

Project Number: P01044

Project Name: Harrison Landfill

Data reported herein is certified to be true, accurate and complete as indicated by the signature of the Laboratory Manager or his Designee.

Laboratory Manager's Signature:

A handwritten signature in black ink, appearing to read "Michael J. Garcia", is written over a horizontal line.

Case Narrative

Harrison LF, Project #P01044

Sampled 11-12-13

Samples were analyzed in accordance with the methods listed in the text of this data report.

All Quality Control Parameters were within control limits with the following exceptions:

The following data qualifier was required for TWQL Log number L29011-03 (412P) for 2,2-Dichloropropane by EPA SW-846 Method 8260:

M1 - Matrix spike recovery was high; the associated blank spike recovery was acceptable.

The following analysis was subcontracted to Eurofins-Eaton Laboratory:

- 1) Ammonia Nitrogen – EPA Method 350.1

Harrison Landfill

Location: 412P
Sample Date: 11/12/2013 01:37:00 PM

Site SPIGOT

Log-in Number: L29011-03
Collected By: A. BARKER

Results from Tucson Water LIMS, Tucson Water Quality Lab, 4401 S. Tucson Estates Parkway, Tucson, AZ 85735 (520) 791-5256
License # AZ0038

Parameter	Value	Qualifier	Method	RDL	Analysis Date
1,1,1,2-Tetrachloroethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,1,1-Trichloroethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,1,2,2-Tetrachloroethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,1,2-Trichloroethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,1-Dichloroethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,1-Dichloroethene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,1-Dichloropropene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2,3-Trichlorobenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2,3-Trichloropropane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2,4-Trichlorobenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2,4-Trimethylbenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2-Dibromo-3-chloropropane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2-Dibromoethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2-Dichlorobenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2-Dichloroethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,2-Dichloropropane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,3,5-Trimethylbenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,3-Dichlorobenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,3-Dichloropropane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
1,4-Dichlorobenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
2,2-Dichloropropane	<.0005 mg/L	M1	EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
2-Chlorotoluene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
4-Chlorotoluene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
4-Isopropyltoluene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM

Harrison Landfill

Location: 412P
 Sample Date: 11/12/2013 01:37:00 PM

Site SPIGOT

Log-in Number: L29011-03
 Collected By: A. BARKER

Results from Tucson Water LIMS, Tucson Water Quality Lab, 4401 S. Tucson Estates Parkway, Tucson, AZ 85735 (520) 791-5256

Parameter	Value	Qualifier	Method	RDL	Analysis Date
Benzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Bromobenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Bromochloromethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Bromodichloromethane	.0006 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Bromofluorobenzene (Surr.)	100.4 % recovery		EPA 8260	%	11/13/2013 11:08:00 AM
Bromoform	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Bromomethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Carbon Tetrachloride	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Chlorobenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Chloroethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Chloroform	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Chloromethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Dibromochloromethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Dibromofluoromethane (Surr.)	101.8 % recovery		EPA 8260	%	11/13/2013 11:08:00 AM
Dibromomethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Dichlorodifluoromethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Ethylbenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Hexachlorobutadiene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Isopropylbenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Methyl tert-butyl ether	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Methylene Chloride	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Naphthalene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Sec-Butylbenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Styrene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM

Harrison Landfill

Location: 412P
Sample Date: 11/12/2013 01:37:00 PM

Site SPIGOT

Log-in Number: L29011-03
Collected By: A. BARKER

Results from Tucson Water LIMS, Tucson Water Quality Lab, 4401 S. Tucson Estates Parkway, Tucson, AZ 85735 (520) 791-5256

Parameter	Value	Qualifier	Method	RDL	Analysis Date
Tetrachloroethene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Toluene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Toluene-d8 (Surr.)	100.2 % recovery		EPA 8260	%	11/13/2013 11:08:00 AM
Total Trihalomethanes	.0006 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Total Xylenes	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Trichloroethene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Trichlorofluoromethane	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
Vinyl Chloride	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
cis-1,2-Dichloroethene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
cis-1,3-Dichloropropene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
m/p-Xylenes	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
n-Butylbenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
n-Propylbenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
ortho-Xylene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
tert-Butylbenzene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
trans-1,2-Dichloroethene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM
trans-1,3-Dichloropropene	<.0005 mg/L		EPA 8260	.0005 mg/L	11/13/2013 11:08:00 AM

