AGRA
Earth & Environmental

17 November 1995
AEE Job No. E95-6068

AGRA Earth &
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RECEIVED
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TREATMENT DIVISION

Pima County
Department of Public Works
Capital Development Division, 8th Floor
201 North Stone Avenue
Tucson, Arizona 85701

Attention: Ms. Kathleen M. Chavez

Re: **CLOSURE SAMPLING OF SLUDGE DRYING BEDS PIMA COUNTY WASTEWATER MANAGEMENT ROGER ROAD WATER POLLUTION CONTROL FACILITY TUCSON, ARIZONA**

Dear Ms. Chavez:

AGRA Earth & Environmental, Inc. (AEE) is pleased to submit this letter report summarizing the sampling of the sludge drying beds at the subject site. Authorization for this work was received in a letter from Pima County dated 23 August 1995 and was performed in accordance with our existing "As Needed" environmental services contract with Pima County dated 6 September 1994 and our proposal number PE95-8-14 dated 21 August 1995.

1.0 PROJECT DESCRIPTION

Pima County provided AEE with a sampling plan prepared by the County for closure sampling of several sludge drying beds at the Roger Road treatment facility. Samples were collected from the following sludge drying beds: A5, A14, A37, A41, B3, B11, B18, B27, C3, C7, and C9 (Figure 1). Analysis of the samples was performed by the Pima County's laboratory at the Ina Road Water Pollution Control Facility (WPCF).

2.0 SAMPLING

Sampling was performed by Messrs. Robert Czaja and Brandon Squire of AEE on 1 and 6 September 1995. Samples from the sludge drying beds were collected using a 3.25 inch diameter, stainless steel hand auger. Samples were collected from the longitudinal centerline of each bed at the following locations: ten feet from each end, and at the approximate center of the bed as determined by pacing. Foreign materials such as wood, plant parts, and plastic debris were removed from the sample locations prior to sampling. Material from the top six inches, and from approximately 19 to 28 inches below grade from each of the three sample

location in each bed was collected and placed in a stainless steel bowl. The collected material was mixed thoroughly using stainless steel tools and divided into four sections. An equal amount of material from each section was used to fill two, four-ounce glass sample jars with Teflon®lined lids. In addition to the composite samples described above, AEE also collected discrete samples at six inches and 28 inches below grade from the three sample locations in each bed. The discrete samples were collected for use if additional material was needed for analysis, or if analysis of a specific location was required based on the results of the analysis of the composite samples.

Samples were placed in a chilled cooler and delivered to the analytical laboratory under chain-of-custody procedures at the end of each day of field work.

After sampling each bed, the sampling equipment was decontaminated by rinsing in potable water, washing with a solution of distilled water and Liquinox brand laboratory detergent, and rinsing with distilled water. Each hand auger boring was backfilled using a mixture of material removed from the hole and bentonite powder.

3.0 CONDITION OF BEDS

All of the sampled beds were dry and did not appear to have recently contained sludge. Vegetation in the form of grasses and weed were common in all of the beds. Soils in the "B" and "C" beds consisted of a dry, silty sand, which typically became moist at a depth of approximately one to two feet. Soils in the "A" beds were consistent with those encountered in the "B" and "C" beds except for the presence of a clean, medium grained sand layer located from approximately six inches below grade to approximately 1½ feet below grade. Pima County personnel at the site indicated to AEE that the "A" beds do not contain drains which may have accounted for the presence of the sand.

4.0 LABORATORY ANALYSIS

Analysis of the composite samples was performed at the Pima County Ina Road WPCF laboratory. Each of the composite samples was analyzed for:

- The metals Barium, Cadmium, Chromium (total), Lead, and Silver using EPA method 6010; Arsenic using EPA test method 7060; Mercury using EPA test method 7471; and Selenium using EPA test method 7740.
- Nitrate using EPA method 300.0;
- Ammonia using EPA method 350.1;
- Kjeldahl nitrogen using EPA 351.2; and

- Nitrate/Nitrite using EPA method 353.2.

The results of the analyses are summarized in Table 1. Copies of the analytical test results are attached. The discrete samples were not analyzed.

We appreciate this opportunity to be of service to Pima County. Please contact us if you have questions regarding this report.

Respectfully Submitted,
AGRA Earth and Environmental, Inc.

Robert P. Czaja
Senior Environmental Geologist

Reviewed by:

Ravi Murthy
Manager Engineering Services

Attachments: Table 1: Summary of Analytical Results
Figure 1: Site and Sampling Plan
Analytical Laboratory Reports and Chain-of-Custody Documents

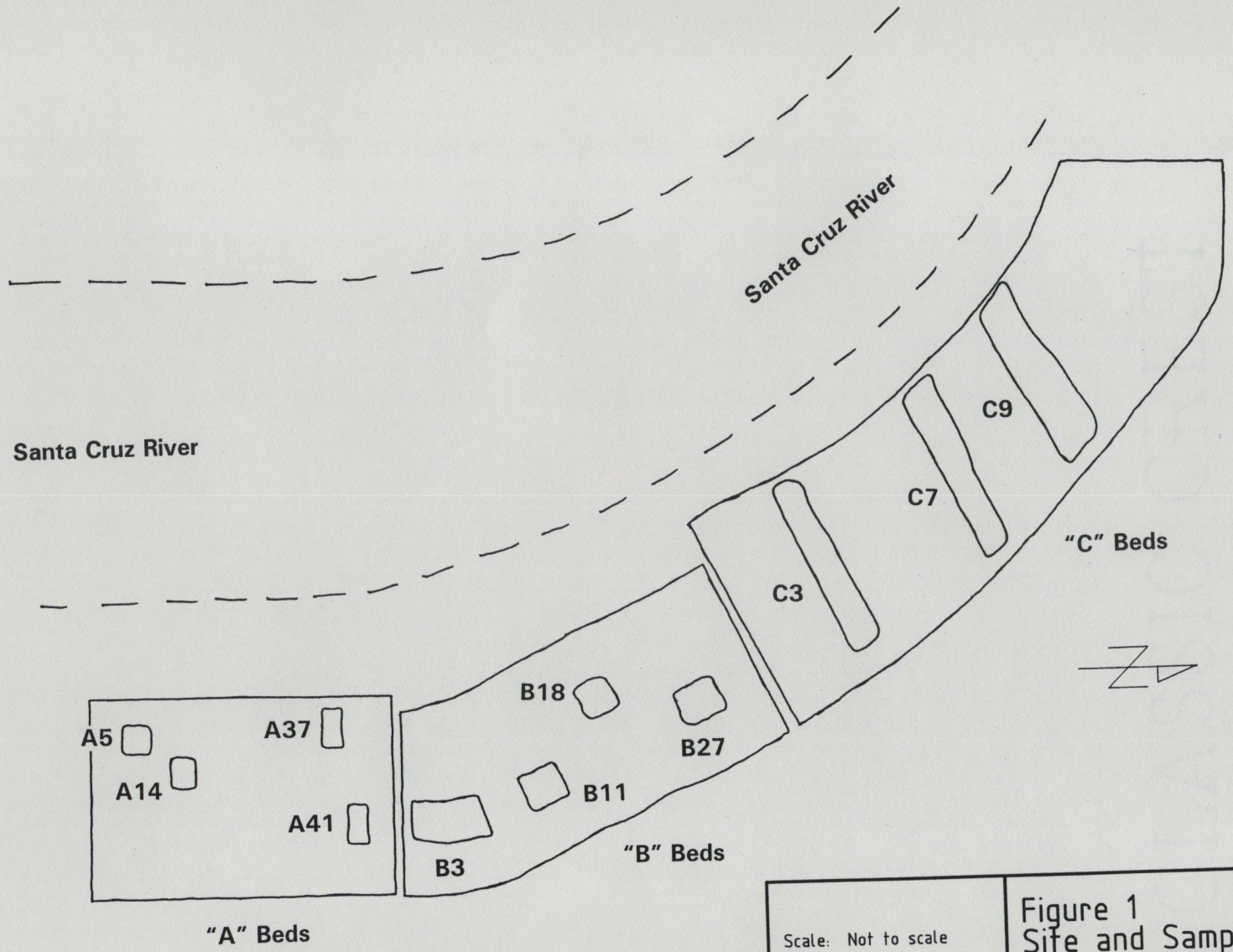
Table 1
Summary of Analytical Results

Closure Sampling of Sludge Drying Beds
Pima County Wastewater Management
Roger Road Water Pollution Control Facility
Tucson, Arizona

AEE Project No. E95-6068

Sample Number	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Ammonia	Nitrate	Nitrite	Nitrogen (Kjeldahl)
A-5	9.1.95	1.15	199	<0.56	34.3	58	1.45	<0.11	12.9	<0.80	1.30	<0.50	3.40
A-14	9.1.95	8.81	156	<0.56	8.16	22.9	0.15	<0.11	<0.56	<0.80	2.20	<0.50	2.10
A-37	9.1.95	14.6	191	1.53	16.3	30.6	0.19	<0.11	0.54	<0.80	4.00	<0.50	4.00
A-41	9.1.95	14.6	186	<0.58	3.55	25.8	<0.06	<0.12	<0.58	<0.80	1.30	<0.50	3.50
B-3	9.1.95	11.8	183	<0.57	15.3	36.7	0.16	<0.11	1.58	<0.80	1.50	<0.50	2.90
B-11	9.1.95	15.1	215	<0.57	16.0	37.6	0.20	<0.11	2.06	<0.80	7.30	<0.50	3.00
B-18	9.1.95	15.4	202	<0.57	5.98	34.5	0.08	<0.11	13.8	<0.80	10.4	<0.50	2.80
B-27	9.1.95	17.8	171	<0.57	4.89	35.5	0.11	<0.11	<0.57	<0.80	11.4	<0.50	2.50
C-3	9.1.95	10.0	192	<0.54	7.94	40.5	0.38	<0.11	4.72	<0.80	22.2	<0.50	3.50
C-7	9.1.95	12.6	179	7.76	17.8	32.0	0.09	<0.11	<0.56	<0.80	2.80	<0.50	2.70
C-9	9.6.95	14.0	140	1.06	18.3	29.3	0.29	<0.11	3.95	<0.80	21.5	<0.50	2.80

Notes:
All results reported in parts per million (ppm).
Concentrations preceded by a "<" symbol represent the Practical Quantification Limit (PQL) or the Method Detection Limit (MDL).



Scale: Not to scale

Drawn By: RPC

Date: 23 Oct. 1995

Drafted By: RPC

Figure 1
Site and Sampling Plan

Closure Sampling of Sludge Drying Beds
Pima County Wastewater Management
Roger Road Treatment Facility
Tucson, Arizona

AEE Job. No. E95-6068

Sketch denotes approximate locations of sampled beds.

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PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT
TECHNICAL SERVICES SECTION LABORATORY
7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/03/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090040

Sampled by: Robert R. Czaja
Sample Location: A5

Facility ID: 03554-0100-000
Sample Date: 09/01/95
Sample Time: 0740

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	1.15	mg/kg		0.04	
Barium (T)	Composite	EPA 6010	09/26/95	199	mg/kg	1.40	0.28	
Cadmium (T)	Composite	EPA 6010	09/26/95	ND	mg/kg	0.56	0.28	
Chromium (T)	Discrete	EPA 6010	09/26/95	34.3	mg/kg		0.56	
Chromium (T)	Composite	EPA 218.2	09/26/95	NA	mg/kg		0.007	1
Lead (T)	Composite	EPA 6010	09/26/95	58.0	mg/kg		1.40	
Mercury (T)	Composite	EPA 7471	09/28/95	1.45	mg/kg		0.06	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/26/95	12.9	mg/kg	0.56	0.56	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	1.30	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/26/95	3.40	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	89.4	%		0.01	

NOTES

1. Chromium analyzed by ICP.

Lab Director/Alternate

10/6/95
Date

LAB COMMENTS: ND = NOT DETECTED (< MDL), NA = NOT ANALYZED, NR = NOT REPORTED, (D) = DISSOLVED, (T) = TOTAL
FECAL COLIFORM ANALYSIS DATE IS THE SAME AS FINAL READ-BACK DATE.
BIOCHEMICAL OXYGEN DEMAND ANALYSIS DATE IS THE SAME AS FINAL READING DATE.

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7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/06/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090262

Sampled by: Robert R. Czaja
Sample Location: A14

Facility ID: 03554-0101-000
Sample Date: 09/01/95
Sample Time: 0925

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	8.81	mg/kg		0.04	
Barium (T)	Composite	EPA 6010	09/22/95	156	mg/kg	1.39	0.28	
Cadmium (T)	Composite	EPA 6010	09/22/95	ND	mg/kg	0.56	0.28	
Chromium (T)	Composite	EPA 6010	09/22/95	8.16	mg/kg		0.56	
Lead (T)	Composite	EPA 6010	09/22/95	22.9	mg/kg		1.39	
Mercury (T)	Composite	EPA 7471	09/18/95	0.15	mg/kg		0.06	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/22/95	ND	mg/kg	0.56	0.56	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	2.20	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/26/95	2.10	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	89.9	%		0.01	

Lab Director/Alternate

10/6/95
Date

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7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/03/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090264

Sampled by: Robert R. Czaja
Sample Location: A37

Facility ID: 03554-0102-000
Sample Date: 09/01/95
Sample Time: 1015

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	14.6	mg/kg		0.04	
Barium (T)	Composite	EPA 6010	09/22/95	191	mg/kg	1.36	0.27	
Cadmium (T)	Composite	EPA 6010	09/22/95	1.53	mg/kg	0.54	0.27	
Chromium (T)	Composite	EPA 6010	09/22/95	16.3	mg/kg		0.54	
Lead (T)	Composite	EPA 6010	09/22/95	30.6	mg/kg		1.36	
Mercury (T)	Composite	EPA 7471	09/28/95	0.19	mg/kg		0.03	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/22/95	0.54	mg/kg	0.54	0.54	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	4.00	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/27/95	4.00	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	91.9	%		0.01	

Lab Director/Alternate

10/9/95
Date

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7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/03/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090265

Sampled by: Robert R. Czaja
Sample Location: A41

Facility ID: 03554-0103-000
Sample Date: 09/01/95
Sample Time: 1101

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	14.6	mg/kg		0.05	
Barium (T)	Composite	EPA 6010	09/25/95	186	mg/kg	1.44	0.29	
Cadmium (T)	Composite	EPA 6010	09/25/95	ND	mg/kg	0.58	0.29	
Chromium (T)	Composite	EPA 6010	09/25/95	3.55	mg/kg		0.58	
Lead (T)	Composite	EPA 6010	09/25/95	25.8	mg/kg		1.44	
Mercury (T)	Composite	EPA 7471	09/18/95	ND	mg/kg		0.06	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.12	
Silver (T)	Composite	EPA 6010	09/25/95	ND	mg/kg	0.58	0.58	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	1.30	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/27/95	3.50	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	86.4	%		0.01	

Lab Director/Alternate

10/6/95
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7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/03/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEEWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090263

Sampled by: Robert R. Czaja
Sample Location: B3

Facility ID: 03554-0104-000
Sample Date: 09/01/95
Sample Time: 1218

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	11.8	mg/kg		0.05	
Barium (T)	Composite	EPA 6010	09/22/95	183	mg/kg	1.42	0.28	
Cadmium (T)	Composite	EPA 6010	09/22/95	ND	mg/kg	0.57	0.28	
Chromium (T)	Composite	EPA 6010	09/22/95	15.3	mg/kg		0.57	
Lead (T)	Composite	EPA 6010	09/22/95	36.7	mg/kg		1.42	
Mercury (T)	Composite	EPA 7471	09/18/95	0.16	mg/kg		0.06	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/22/95	1.58	mg/kg	0.57	0.57	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	1.50	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/26/95	2.90	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	88.4	%		0.01	

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10/6/95
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PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT
TECHNICAL SERVICES SECTION LABORATORY
7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/03/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090327

Sampled by: Robert R. Czaja
Sample Location: B11

Facility ID: 03554-0105-000
Sample Date: 09/01/95
Sample Time: 1245

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	15.1	mg/kg		0.05	
Barium (T)	Composite	EPA 6010	09/25/95	215	mg/kg	1.42	0.28	
Cadmium (T)	Composite	EPA 6010	09/25/95	ND	mg/kg	0.57	0.28	
Chromium (T)	Composite	EPA 6010	09/25/95	16.0	mg/kg		0.57	
Lead (T)	Composite	EPA 6010	09/25/95	37.6	mg/kg		1.42	
Mercury (T)	Composite	EPA 7471	09/28/95	0.20	mg/kg		0.03	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/25/95	2.06	mg/kg	0.57	0.57	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	7.30	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/27/95	3.00	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	88.0	%		0.01	

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PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT
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7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/03/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090396

Sampled by: Robert R. Czaja
Sample Location: B18

Facility ID: 03554-0110-000
Sample Date: 09/01/95
Sample Time: 1337

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	15.4	mg/kg		0.05	
Barium (T)	Composite	EPA 6010	09/26/95	202	mg/kg	1.42	0.28	
Cadmium (T)	Composite	EPA 6010	09/26/95	ND	mg/kg	0.57	0.28	
Chromium (T)	Composite	EPA 6010	09/26/95	5.98	mg/kg		0.57	
Lead (T)	Composite	EPA 6010	09/26/95	34.5	mg/kg		1.42	
Mercury (T)	Composite	EPA 7471	09/28/95	0.08	mg/kg		0.03	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/26/95	13.8	mg/kg	0.57	0.57	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	10.4	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/27/95	2.80	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	88.4	%		0.01	

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TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/03/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090328

Sampled by: Robert R. Czaja
Sample Location: B27

Facility ID: 03554-0106-000
Sample Date: 09/01/95
Sample Time: 1328

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	17.8	mg/kg		0.05	
Barium (T)	Composite	EPA 6010	09/25/95	171	mg/kg	1.42	0.28	
Cadmium (T)	Composite	EPA 6010	09/25/95	ND	mg/kg	0.57	0.28	
Chromium (T)	Composite	EPA 6010	09/25/95	4.89	mg/kg		0.57	
Lead (T)	Composite	EPA 6010	09/25/95	35.5	mg/kg		1.42	
Mercury (T)	Composite	EPA 7471	09/18/95	0.11	mg/kg		0.06	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/25/95	ND	mg/kg	0.57	0.57	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	11.4	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/27/95	2.50	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	87.8	%		0.01	

Lab Director/Alternate

10/6/95
Date

LAB COMMENTS: ND = NOT DETECTED (< MDL), NA = NOT ANALYZED, NR = NOT REPORTED, (D) = DISSOLVED, (T) = TOTAL
FECAL COLIFORM ANALYSIS DATE IS THE SAME AS FINAL READ-BACK DATE.
BIOCHEMICAL OXYGEN DEMAND ANALYSIS DATE IS THE SAME AS FINAL READING DATE.

PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT
TECHNICAL SERVICES SECTION LABORATORY
7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/16/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090329

Sampled by: Robert R. Czaja
Sample Location: C3

Facility ID: 03554-0107-000
Sample Date: 09/01/95
Sample Time: 1440

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	10.0	mg/kg		0.04	
Barium (T)	Composite	EPA 6010	09/25/95	192	mg/kg	1.36	0.27	
Cadmium (T)	Composite	EPA 6010	09/25/95	ND	mg/kg	0.54	0.27	
Chromium (T)	Composite	EPA 6010	09/25/95	7.94	mg/kg		0.54	
Lead (T)	Composite	EPA 6010	09/25/95	40.5	mg/kg		1.36	
Mercury (T)	Composite	EPA 7471	09/28/95	0.38	mg/kg		0.03	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/25/95	4.72	mg/kg	0.54	0.54	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	22.2	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/26/95	3.50	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	92.1	%		0.01	

Lab Director/Alternate

10/16/95
Date

LAB COMMENTS: ND = NOT DETECTED (< MDL), NA = NOT ANALYZED, NR = NOT REPORTED, (D) = DISSOLVED, (T) = TOTAL
FECAL COLIFORM ANALYSIS DATE IS THE SAME AS FINAL READ-BACK DATE.
BIOCHEMICAL OXYGEN DEMAND ANALYSIS DATE IS THE SAME AS FINAL READING DATE.

PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT
TECHNICAL SERVICES SECTION LABORATORY
7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/16/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090330

Sampled by: Robert B. Czaja
Sample Location: C7

Facility ID: 03554-0108-000
Sample Date: 09/01/95
Sample Time: 1516

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	12.6	mg/kg		0.04	
Barium (T)	Composite	EPA 6010	09/26/95	179	mg/kg	1.40	0.28	
Cadmium (T)	Composite	EPA 6010	09/26/95	7.76	mg/kg	0.56	0.28	
Chromium (T)	Composite	EPA 6010	09/26/95	17.8	mg/kg		0.56	
Lead (T)	Composite	EPA 6010	09/26/95	32.0	mg/kg		1.40	
Mercury (T)	Composite	EPA 7471	09/18/95	0.09	mg/kg		0.06	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/26/95	ND	mg/kg	0.56	0.56	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	2.80	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/27/95	2.70	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	88.9	%		0.01	

Lab Director/Alternate

10/16/95
Date

LAB COMMENTS: ND = NOT DETECTED (< MDL), NA = NOT ANALYZED, NR = NOT REPORTED, (D) = DISSOLVED, (T) = TOTAL
FECAL COLIFORM ANALYSIS DATE IS THE SAME AS FINAL READ-BACK DATE.
BIOCHEMICAL OXYGEN DEMAND ANALYSIS DATE IS THE SAME AS FINAL READING DATE.

PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT
TECHNICAL SERVICES SECTION LABORATORY
7101 N. CASA GRANDE HIGHWAY
TUCSON, AZ 85743-9577

LABORATORY LICENSE #AZ0159

PHONE: (520) 744-4236

REPORT DATE: 10/12/95

Sample Analysis Report

Submitter: Drying Bed - Soil Sample
Address: 2600 W SWEETWATER DRIVE, TUCSON, AZ, 85745

Lab Number: 95090331

Sampled by: Robert R. Czaja
Sample Location: C9

Facility ID: 03554-0109-000
Sample Date: 09/06/95
Sample Time: 0858

Comments: See "Sample Chain of Custody"

Parameter	Sample Type	Analysis Method	Analysis Date	Analysis Value	Unit	PQL	MDL	See Notes
Arsenic (T)	Composite	EPA 7060	09/26/95	14.0	mg/kg		0.05	
Barium (T)	Composite	EPA 6010	09/26/95	140	mg/kg	1.43	0.29	
Cadmium (T)	Composite	EPA 6010	09/26/95	1.06	mg/kg	0.57	0.29	
Chromium (T)	Composite	EPA 6010	09/26/95	18.3	mg/kg		0.57	
Lead (T)	Composite	EPA 6010	09/26/95	29.3	mg/kg		1.43	
Mercury (T)	Composite	EPA 7471	09/18/95	0.29	mg/kg		0.06	
Selenium (T)	Composite	EPA 7740	09/27/95	ND	mg/kg		0.11	
Silver (T)	Composite	EPA 6010	09/26/95	3.95	mg/kg	0.57	0.57	
Ammonia	Composite	EPA 350.1	09/27/95	ND	mg/l		0.80	
Nitrate	Composite	EPA 353.2	09/26/95	21.5	mg/l	0.50	0.20	
Nitrite	Composite	EPA 353.2	09/26/95	ND	mg/l	0.50	0.20	
Nitrogen (Kjeldhal)	Composite	EPA 351.3	09/27/95	2.80	mg/l		1.00	
Total Solids	Composite	EPA 160.3	09/22/95	87.5	%		0.01	

Lab Director/Alternate

10/13/95
Date

LAB COMMENTS: ND = NOT DETECTED (< MDL), NA = NOT ANALYZED, NR = NOT REPORTED, (D) = DISSOLVED, (T) = TOTAL
FECAL COLIFORM ANALYSIS DATE IS THE SAME AS FINAL READ-BACK DATE.
BIOCHEMICAL OXYGEN DEMAND ANALYSIS DATE IS THE SAME AS FINAL READING DATE.

AGRA
Earth & Environmental

TO LABORATORY: Pima Cnty - Cena Rd
ADDRESS
PHONE:
CONTACT PERSON:

Chain of Custody

DATE 9.1.95 PAGE 1 OF 7

PROJECT NAME: Rodger Rd. Treatment Plant
SITE LOCATION: Pima County
JOB NO. E95.6068
SAMPLERS (SIGNATURE) Bob Czaja, Brandon Squire (PHONE NO.)

ANALYSES REQUESTED

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	HALOGENATED 601/8010 VOLATILES	AROMATIC 602/8020 VOLATIES	TPH 418-1	CHLORINATED PESTICIDES & PCB'S 608/8080	CHLORINATED HERBICIDES 8150	TOTAL LEAD (PB)	TOTAL CHROMIUM (CR)	SDWA PRIMARY INORGANICS	SDWA SECONDARY INORGANICS	PRIORITY POLLUTANT METALS (TCLP)	BULK ASBESTOS (PLM)	As, Ba, Cd, Cr, Pb, Se, Ag, Hg	Nitrate, Las N	Ammonia	Bicarbonate	Nitrate/Nitrite	Hold		NUMBER OF CONTAINERS
A-5	9.1.95	0740	Soil	95090 040												X	X	X	X	X			1
A-5 W@6"		0810																			X		1
A-5 W@28"		0812																					1
A-5 C@6"		0816																					1
A-5 C@28"		0817																					1
A-5 E@6"		0820																					1
A-5 E@28"		0821																					1
A-14 W@6"		0910																					1
A-14 W@28"		0914																					1
A-14 E@6"		0917																					1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	
	CHAIN OF CUSTODY SEALS	
SHIPPING I.D. NO.	REC'D GOOD CONDITION/COLD	
VIA:	CONFORMS TO RECORD	
P.O.	LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:
Total Solids added by Laboratory to come up with correct units
BT 9/29/29

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) (TIME) 1605	(SIGNATURE) (TIME) 1435	(SIGNATURE) (TIME) 1355
(PRINTED NAME) (DATE) Robert P Czaja 9.1.95	(PRINTED NAME) (DATE) Nancy Barry 1430	(PRINTED NAME) (DATE) Nancy Barry 9-8-95
(COMPANY) AEE	(COMPANY) PCWWML 9/8/95	(COMPANY) PCWWML

RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
(SIGNATURE) (TIME) 1605	(SIGNATURE) (TIME) 1435	(SIGNATURE) (TIME) 1355
(PRINTED NAME) (DATE) Nancy Barry 9/1/95	(PRINTED NAME) (DATE) William B Evans 9-8-95	(PRINTED NAME) (DATE) Marjorie M Frazier 09-21-95
(COMPANY) PCWWML	(COMPANY) PCWWML	(COMPANY) Pima Cnty W/W Lab.

DISTRIBUTION: WHITE, YELLOW — LABORATORY — PINK — AGRA

AGRA
Earth & Environmental

TO LABORATORY: Pima County - Vina Rd.
ADDRESS
PHONE:
CONTACT PERSON:

Chain of Custody

DATE 9.1.95 PAGE 2 OF 7

PROJECT NAME: Rodger Rd Treatment Plant
SITE LOCATION: Pima County
JOB NO. E95.6068
SAMPLERS (SIGNATURE) Bob Czaja, Brandon Squire (PHONE NO.)

ANALYSES REQUESTED

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	HALOGENATED 601/8010 VOLATILES	AROMATIC 602/8020 VOLATIES	TPH 418-1	CHLORINATED PESTICIDES & PCB'S 608/8080	CHLORINATED HERBICIDES 8150	TOTAL LEAD (PB)	TOTAL CHROMIUM (CR)	SDWA PRIMARY INORGANICS	SDWA SECONDARY INORGANICS	PRIORITY POLLUTANT METALS (TCLP)	BULK ASBESTOS	As, Ba, Cd, Cr, Pb, Se, Ag, Hg	Nitrate (as N)	Ammonia	Kjeldahl	Nitrate/nitrite	Hold	Total Solids	NUMBER OF CONTAINERS
A-14 E@28"	9.1.95	0919	Soil																		X		1
A-14 C@6"		0922																					1
A-14 C@28"		0924																					1
A-14		0925		9509 0262												X	X	X	X	X		X	2
A-37 W@6"		1001																			X		1
A-37 W@28"		1006																					1
A-37 E@6"		1008																					1
A-37 E@28"		1011																					1
A-37 C@6"		1005																					1
A-37 C@28"		1015																					1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	
	CHAIN OF CUSTODY SEALS	
SHIPPING I.D. NO.	REC'D GOOD CONDITION/COLD	
VIA:	CONFORMS TO RECORD	
P.O.	LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:
composited in field per BT 10/3/95 [illegible]

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
[signature] 1605	Nancy Barry	Nancy Barry
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Robert P. Czaja 9.1.95	Nancy Barry 1422	Nancy Barry 1450
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
AEE	PCWWML 9/8/95	PCWWML 9/8/95
(COMPANY)	(COMPANY)	(COMPANY)

RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
Nancy Barry 1605	[signature] 1422	FRANK PREVATT 9-8-95
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Nancy Barry 9-1-95	William B Evans 9-8-95	Frank J. Prevatt @1450
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
P.C.W.WM L	PC WWML	P.C.W.W.M.L
(COMPANY)	(COMPANY)	

DISTRIBUTION: WHITE, YELLOW — LABORATORY

AGRA
Earth & Environmental

TO LABORATORY: Pima County - Sima Rd.
ADDRESS
PHONE:
CONTACT PERSON:

Chain of Custody

DATE 9.1.95 PAGE 3 OF 7

PROJECT NAME: Rodeo Rd. Treatment Plant
SITE LOCATION: Pima County
JOB NO. E95.6068
SAMPLERS (SIGNATURE) Bob Czaja, Brandon Squire (PHONE NO.)

ANALYSES REQUESTED

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	HALOGENATED 601/8010 VOLATILES	AROMATIC 602/8020 VOLATIES	TPH 418-1	CHLORINATED PESTICIDES & PCB'S 608/8080	CHLORINATED HERBICIDES 8150	TOTAL LEAD (PB)	TOTAL CHROMIUM (CR)	SDWA PRIMARY INORGANICS	SDWA SECONDARY INORGANICS	PRIORITY POLLUTANT METALS (TCLP)	BULK ASBESTOS (RLM)	Hr, Ba, Cd, Cr, Pb, Se, Ag, Na	Nitrate (as N)	Ammonia	Kjeldahl	Nitrate/nitrite	Hold	Total Solids	NUMBER OF CONTAINERS
A-37	9.1.95	1015	Soil	9509 0264												X	X	X	X	X		X	2
A-41 W@6"		1046																			X		1
A-41 W@28"		1049																					1
A-41 C@6"		1050																					1
A-41 C@28"		1055																					1
A-41 E@6"		1053																					1
A-41 E@28"		1100		~~9509 0265~~ PJB 9-7-95																			1
A-41		1101		9509 0265												X	X	X	X	X		X	2
B3 S@6"		1201																			X		
B3 S@28"		1205																			X		

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	
	CHAIN OF CUSTODY SEALS	
SHIPPING I.D. NO.	REC'D GOOD CONDITION/COLD	
VIA:	CONFORMS TO RECORD	
P.O.	LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:
[illegible] 10/3/95 [illegible]

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
[signature] 1605	Nancy Barry	Nancy Barry
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Robert P. Czaja 9.1.95	Nancy Barry 1425	Nancy Barry 1450
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
AEE	PCWWML 9/8/95	PCWWML 9/8/95
(COMPANY)	(COMPANY)	(COMPANY)

RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
Nancy Barry 1605	[signature] 1425	FRANK J. PREVATT 9-8-95
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Nancy Barry 9-1-95	William B Evans 9-8-95	Frank J. Prevatt 1450
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
PCWWML	PCWWML	PCWWML
(COMPANY)	(COMPANY)	

DISTRIBUTION: WHITE, YELLOW — LABORATORY — PINK — AGRA

AGRA
Earth & Environmental

TO LABORATORY: Pima County - Vera Rd.
ADDRESS
PHONE:
CONTACT PERSON:

Chain of Custody

★ AS 10-2-95

DATE 9.1.95 PAGE 4 OF 7

PROJECT NAME: Rodger Rd. Treatment Plant
SITE LOCATION: Pima County
JOB NO.
SAMPLERS (SIGNATURE) Bob Czaja, Brandon Sawyer (PHONE NO.)

ANALYSES REQUESTED

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	HALOGENATED 601/8010 VOLATILES	AROMATIC 602/8020 VOLATIES	TPH 418-1	CHLORINATED PESTICIDES & PCB'S 608/8080	CHLORINATED HERBICIDES 8150	TOTAL LEAD (PB)	TOTAL CHROMIUM (CR)	SDWA PRIMARY INORGANICS	SDWA SECONDARY INORGANICS	PRIORITY POLLUTANT METALS (TCLP)	BULK ASBESTOS (RLM)	Al, Ba, Cd, Cr, Pb, Se, Ag, Hg	Nitrate (as N)	Ammonia	Kjeldahl	Nitrite/Nitrite	Yield	Total Solids 10-2-95	NUMBER OF CONTAINERS
B3 C@6"	9.1.95	1207	Soil																		X		1
B3 C@28"		1210																					1
B3 N@6"		1212																					1
B3 N@28"		1216																					1
B3		1218		9509 0263												X	X	X	X	X	~~X~~	X	2
B11 E@6"		1210																			X		1
B11 E@28"		1215																					1
B11 C@6"		1220																					1
B11 C@28"		1235																					1
B11 W@6"		1237																					1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	
	CHAIN OF CUSTODY SEALS	
SHIPPING I.D. NO.	REC'D GOOD CONDITION/COLD	
VIA:	CONFORMS TO RECORD	
P.O.	LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:
composited in field per B1
10/3/95 [illegible]

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
[signature] 1605	Nancy Barry	Nancy Barry
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Robert P. Czaja 9.1.95	Nancy Barry 1423	Nancy Barry 1450
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
AEE	PCWWML 9/8/95	PCWWML 9-8-95
(COMPANY)	(COMPANY)	(COMPANY)

RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
Nancy Barry 1605	[signature] 1423	FRANK PREVATT 9-8-95
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Nancy Barry 9-1-95	William B Evans 9-8-95	Frank A. Prevatt 1450
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
PCWWML	PCWWML	P.C.W.W.M.L
(COMPANY)	(COMPANY)	

DISTRIBUTION: WHITE, YELLOW -- LABORATORY PINK -- AGRA

AGRA
Earth & Environmental

TO LABORATORY: Pima Cnty - Una Rd.
ADDRESS
PHONE:
CONTACT PERSON:

Chain of Custody

AS 10-2-95

DATE 9.1.95 PAGE 5 OF 7

PROJECT NAME: Rodger Rd. Treatment Plant
SITE LOCATION: Pima Cnty.
JOB NO.
SAMPLERS (SIGNATURE) Bob Craig, Brandon Squire (PHONE NO.)

ANALYSES REQUESTED

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	HALOGENATED 601/8010 VOLATILES	AROMATIC 602/8020 VOLATILES	TPH 418-1	CHLORINATED PESTICIDES & PCB'S 608/8080	CHLORINATED HERBICIDES 8150	TOTAL LEAD (PB)	TOTAL CHROMIUM (CR)	SDWA PRIMARY INORGANICS	SDWA SECONDARY INORGANICS	PRIORITY POLLUTANT METALS (TCLP)	BULK ASBESTOS (PLM)	Hr, Ba, Cd, Cr, Pb, Se, Ag, Hg	Nitrate (as N)	Ammonia	Nitrate/Nitrite	Kjeldahl	Yield	Total Solids	NUMBER OF CONTAINERS
B11 W@28"	9.1.95	1241	Soil																		X		1
B11		1245		9509 0327												X	X	X	X	X		X	2
B27 W@6"		1312																			X		1
B27 W@28"		1316																					1
B27 C@6"		1318																					1
B27 C@28"		1321																					1
B27 E@6"		1324																					1
B27 E@28"		1326																					1
B27		1328		9509 0328												X	X	X	X	X		X	2
B18 E@6"		1310																			X		1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	
	CHAIN OF CUSTODY SEALS	
SHIPPING I.D. NO.	REC'D GOOD CONDITION/COLD	
VIA:	CONFORMS TO RECORD	
P.O.	LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:
composited in the field per BT 10/3/95 pai

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) Robert P. Craig (TIME) 1605	(SIGNATURE) Nancy Barry (TIME)	(SIGNATURE) Nancy Barry (TIME)
(PRINTED NAME) Robert P. Craig (DATE) 9.1.95	(PRINTED NAME) Nancy Barry (DATE) 1425	(PRINTED NAME) Nancy Barry (DATE) 1450
(COMPANY) AEE	(COMPANY) PCWWML 9/8/95	(COMPANY) PCWWML 9/8/95
RECEIVED BY	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3.**
(SIGNATURE) Nancy Barry (TIME) 1605	(SIGNATURE) William Evans (TIME) 1425	(SIGNATURE) Frank J. Preatt (TIME) 9-8-95
(PRINTED NAME) Nancy Barry (DATE) 9-1-95	(PRINTED NAME) William B Evans (DATE) 9-8-95	(PRINTED NAME) Frank J. Preatt (DATE) 1450
(COMPANY) PCWWML	(COMPANY) PCWWML	PCWWML

DISTRIBUTION: WHITE, YELLOW — LABORATORY PINK — AGRA

AGRA
Earth & Environmental

TO LABORATORY: Pima County - Ina Rd.
ADDRESS
PHONE:
CONTACT PERSON:

Chain of Custody

DATE 9.1.95 PAGE 6 OF 7

PROJECT NAME: Rodeo Rd Treatment Plant
SITE LOCATION: Pima County
JOB NO.
SAMPLERS (SIGNATURE) (PHONE NO.)

ANALYSES REQUESTED

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	HALOGENATED 601/8010 VOLATILES	AROMATIC 602/8020 VOLATILES	TPH 418-1	CHLORINATED PESTICIDES & PCB'S 608/8080	CHLORINATED HERBICIDES 8150	TOTAL LEAD (PB)	TOTAL CHROMIUM (CR)	SDWA PRIMARY INORGANICS	SDWA SECONDARY INORGANICS	PRIORITY POLLUTANT METALS (TCLP)	BULK ASBESTOS (PLM)	As, Ba, Cd, Cr, Pb, Se, Hg	Nitrate Lead	Ammonia	Sulfate	Nitrate/Nitrite	Total Solids	NUMBER OF CONTAINERS
B18 E@28"	9.1.95	1315	Soil																	X		1
B18 C@6"		1317																				1
B18 C@28"		1325																				1
B18 W@28"		1335																				1
B18 W@6"		1330																				1
B18		1337		9509 0396																		1
C3 E@6"		1425														X	X	X	X	X		2
C3 E@28"		1435																		X		1
C3 C@6"		1425																				1
C3 C@28"		1427																				1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	
	CHAIN OF CUSTODY SEALS	
SHIPPING I.D. NO.	REC'D GOOD CONDITION/COLD	
VIA:	CONFORMS TO RECORD	
P.O.	LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:
composited in field per PI
10/3/95

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) (TIME) 1605	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) (DATE) 9.1.95	(PRINTED NAME) (DATE) Nancy Barry 1435	(PRINTED NAME) (DATE) Nancy Barry 9/8/95
(COMPANY) AGE	(COMPANY) PCWWML 9/8/95	(COMPANY) PCWWML 1450 9-8-95
RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
(SIGNATURE) (TIME) 1605	(SIGNATURE) (TIME) 1435	FRANK J. REVATT 9-8-95
(PRINTED NAME) (DATE) Nancy Barry 9-1-95	(PRINTED NAME) (DATE) William B. Evans 9-8-95	(SIGNATURE) (TIME) 1450
(COMPANY) PCWWML	(COMPANY) PCWWML	(PRINTED NAME) (DATE) PCWWML

DISTRIBUTION: WHITE, YELLOW - LABORATORY, PINK - AGRA

AGRA
Earth & Environmental

TO LABORATORY: Pima County - Ina Rd
ADDRESS
PHONE:
CONTACT PERSON:

Chain of Custody

DATE 9.1.95 PAGE 7 OF 7

PROJECT NAME: Rodeo Rd Treatment Plant
SITE LOCATION: Pima County
JOB NO.
SAMPLERS (SIGNATURE) (PHONE NO.)

ANALYSES REQUESTED

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	HALOGENATED 601/8010 VOLATILES	AROMATIC 602/8020 VOLATIES	TPH 418-1	CHLORINATED PESTICIDES & PCB'S 608/8080	CHLORINATED HERBICIDES 8150	TOTAL LEAD (PB)	TOTAL CHROMIUM (CR)	SDWA PRIMARY INORGANICS	SDWA SECONDARY INORGANICS	PRIORITY POLLUTANT METALS (TCLP)	BULK ASBESTOS (PLM)	As, Ba, Cd, Cr, Se, Ag	Nitrate Low N	Ammonia	Sulfides	Nitrite	pH	Total Solids	NUMBER OF CONTAINERS
C3 W@6"	9.1.95	1431	Soil																	X			1
C3 W@28"		1433																		X			1
C3		1440		9509 0329																X			1
C7 W@6"		~~1455~~ 1407														X	X	X	X	X		X	2
C7 W@28"		~~1512~~ ~~1500~~																		X			1
C7 C@6"		1459																					1
C7 C@28"		1503																					1
C7 E@6"		1455																					1
C7 E@28"		1500																					1
C7		1510																					1
																X	X	X	X	X		X	2

Samples labeled as "C-9" instead of "C-7" on labs. Labs re-labeled by B. Craig. This B.O.C. is correct as originally written. "C-7" samples should not be standard out.
BJB 9/7/95
9.6.95
LIMS # 9509 0330

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	
	CHAIN OF CUSTODY SEALS	
SHIPPING I.D. NO.	REC'D GOOD CONDITION/COLD	
VIA:	CONFORMS TO RECORD	
P.O.	LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) (TIME) 1605	(SIGNATURE) (TIME) Nancy Barry 1430	(SIGNATURE) (TIME) Nancy Barry
(PRINTED NAME) (DATE) Robert B. Craig 9.1.95	(PRINTED NAME) (DATE) Nancy Barry 9.1.95	(PRINTED NAME) (DATE) Nancy Barry 9-12-95
(COMPANY) AEE	(COMPANY) PCWWML	(COMPANY) PCWWML 1430
RECEIVED BY	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3.**
(SIGNATURE) (TIME) Nancy Barry 1605	(SIGNATURE) (TIME) 1430	(SIGNATURE) (TIME) Frank J. Prewatt 9-12-95
(PRINTED NAME) (DATE) Nancy Barry 9-1-95	(PRINTED NAME) (DATE) W. Illiam Evans 9-8-95	(PRINTED NAME) (DATE) Frank J. Prewatt 1430
(COMPANY) PCWWML	(COMPANY) PCWWML	(COMPANY) PCWWML

DISTRIBUTION: WHITE, YELLOW - LABORATORY, PINK - AGRA

AGRA Earth & Environmental

TO LABORATORY: Pima Cnty - Ina Rd.
ADDRESS
PHONE:
CONTACT PERSON:

Chain of Custody

DATE 9.5.95 PAGE 1 OF 1

PROJECT NAME: Pima Cnty - Rodeo Rd.
SITE LOCATION:
JOB NO. E95.6068

SAMPLERS (SIGNATURE) [signature] (PHONE NO.) 792.2779

ANALYSES REQUESTED

SAMPLE I.D.	DATE	TIME	MATRIX	LAB I.D.	HALOGENATED 601/8010 VOLATILES	AROMATIC 602/8020 VOLATIES	TPH 418-1	CHLORINATED PESTICIDES & PCB'S 608/8080	CHLORINATED HERBICIDES 8150	TOTAL LEAD (PB)	TOTAL CHROMIUM (CR)	SDWA PRIMARY INORGANICS	SDWA SECONDARY INORGANICS	PRIORITY POLLUTANT METALS (TCLP)	BULK ASBESTOS (PLM)	As, Ba, Cd, Cr, Pb, Se, Ag, Hg	Nitrate (as N)	Ammonia	Kjeldahl	Nitrate/Nitrite	Hold	Total Solids	NUMBER OF CONTAINERS
C9 E@6"	9.6.95	0853	Soil																		X		1
C9 E@28"	↓	0856	↓																		↓		1
C9 C@6"	↓	0847	↓																		↓		1
C9 C@28"	↓	0849	↓																		↓		1
C9 W@6"	↓	0841	↓																		↓		1
C9 W@28"	↓	0843	↓																		↓		1
C9	↓	0858	↓	9509 0331												X	X	X	X	X		X	2

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	
CZRSR	CHAIN OF CUSTODY SEALS	
SHIPPING I.D. NO.	REC'D GOOD CONDITION/COLD	
VIA:	CONFORMS TO RECORD	
P.O.	LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
[signature] 1105 (SIGNATURE) (TIME)	Peter F Baker 1435 ~~1128~~ PFB 9/12/95 (SIGNATURE) (TIME)	Peter F Baker 1450 Nancy Barry 9-8 (SIGNATURE) (TIME)
Robert P. Czaja 9.6.95 (PRINTED NAME) (DATE)	PETER BAKER 9/8/95 (PRINTED NAME) (DATE)	PETER BAKER 9/8/95 (PRINTED NAME) (DATE)
AEE (COMPANY)	INA WPCF (COMPANY)	INA WPCF (COMPANY)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3.**
Peter F Baker 1105 (SIGNATURE) (TIME)	William B Evans 1435 (SIGNATURE) (TIME)	FRANK J. PREVATT 9-8-95 (SIGNATURE) (TIME)
PETER F. BAKER 9/6/95 (PRINTED NAME) (DATE)	William B Evans 9-8-95 (PRINTED NAME) (DATE)	Frank J. Prevatt 1450 (PRINTED NAME) (DATE)
PIMA COUNTY WPCF (COMPANY)	PCWWML (COMPANY)	PC. WWML