LETTER OF INTENT

155 W. Durian Avenue
Coalinga, CA 93210

Phone (559) 935-1533
FAX (559) 935-5912
www.coalinga.com

Letter of Intent for use of Recycled Water

This letter ("**Letter of Intent**" or "**LOI**", dated October 2, 2008, summarizes and confirms the intention of the City of Coalinga ("**City**") to provide and the intention of Spinnaker Energy, Inc. ("**SEI**"), as agent for San Joaquin Solar 1 LLC and San Joaquin Solar 2 LLC (collectively the "**Project Companies**"), to purchase recycled water for industrial, irrigation and/or dual plumbing purposes, and preliminarily defines the conditions under which the City is prepared to deliver and the Project Companies are prepared to accept the long term delivery of such water from the City. Hereafter, each of the City and the Project Companies may be individually referred to as a "**Party**" and collectively as the "**Parties**".

The Parties

The City has current and future obligations to recycle water under California law and has established a plan to sell such recycled water for industrial and irrigation purposes. The Project Companies plan to construct two or more solar thermal and biomass power generation facilities ("**Generating Facilities**'), which will provide electricity to PG&E pursuant to one or more power purchase agreements (each a "**PPA**") and may provide thermal and electrical energy to third parties to the extent permitted under state and federal law. The Project Companies plan to use recycled water in connection with power production at the Generating Facilities. The Generating Facilities will be located outside of the City Limits and "Sphere of Influence".

RWS Agreement

The conditions identified in this LOI relate to Quality, Quantity, Reliability, Price, Point of Delivery, Responsibility, Timing, and Term of Agreement, and other conditions of service expected from the City, and present the Parties' understanding of local agency requirements for the use of recycled water. This Letter of Intent is intended to form the basis of a definitive long term Recycled Water Supply Agreement (the "**RWS Agreement**") to be entered into by the City and the Project Companies.

Quality

The City will cause the recycled water to comply with applicable provisions of the Regional Water Quality Control Board, and the State of California Department of Health Services., as shall be more specifically set out in the agreed to RWS Agreement.

Quantity

The City will deliver up to one million gallons of recycled water per day, and the City will further provide a first right of refusal to the Project Companies to purchase additional recycled water subject to an increase in recycled water production by the City. The City expects its production and delivery of recycled water to the Project Companies to increase from one million gallons per day to 1.8 million gallons per day or more as the City's waste water processing needs expand over time.

Reliability

Recycled water will be supplied on an uninterrupted basis except in extraordinary circumstances.

Price and Repayment of Debt

The price to be paid by the Project Companies for recycled water service will be established in the RWS Agreement. The price will take into consideration costs necessary to reimburse the City for: the installation of the pipeline required to deliver the recycled water to the Project Companies and all easement acquisition costs incurred by the City in regards thereto, any agreed upon incremental operating costs incurred by the City that are associated with the installation and maintenance of the pipeline, the addition of equipment (if any) to the currently designed New Water Treatment Plant (as such is defined below), operating costs directly associated with satisfying the Project Companies' minimum water quality requirements that the City actually incurs in excess of its costs to collect, receive, treat, and otherwise discharge recycled water had the Generating Facilities not been constructed, and, interest on debt incurred by the City specifically in conjunction with the pipeline and additional equipment needed (if any) to be installed to meet the requirements of the RWS Agreement; all as shall be set forth more specifically in the agreed to RWS Agreement.

The RWS Agreement will, among other terms and conditions, also provide for the full reimbursement to the City for those actual and auditable costs incurred by it after the "Effective Date" established in the RWS Agreement to supply recycled water to the Generating Facilities at times, volumes, quality and price as shall be set forth therein, if, for reasons not attributable to the City, the Generating Facilities are not constructed or operated, or if the Generating Facilities cease operating before the above mentioned debt is repaid by the Project Companies to the City.

Point of Delivery

The City will deliver the recycled water to recycled water points of delivery, which will be specified by SEI at one or more points along the boundary of the Project Companies' property, and tentatively identified in Attachment A hereto (the "**Recycled Water Points of Delivery**").

Water Treatment Plant

The City will design, permit, finance, construct, place in service and operate the water treatment facility described in Attachment B (the "**New Water Treatment Plant**") together with all pipelines necessary for the delivery of the recycled water to the Recycled Water Points of Delivery, including the City's acquisition of all necessary land, rights of way, and easements for such pipelines. The Project Companies shall include a description of the New Water Treatment Plant and its RWSAgreement with the Project Companies in the Project Companies' Application for Certification (AFC) to the California Energy Commission. However, the New Water Treatment Plant will not be identified as being included as a part of the San Joaquin Solar 1 & 2 Projects. The New Water Treatment Plant will require its own separate CEQA analysis.

First Delivery and Term of Agreement

The City shall use its best efforts to make initial deliveries of recycled water to the Project Companies on or about June, 2011 or sooner if at all possible. The City acknowledges that the execution of the RWS Agreement and subsequent delivery of recycled water to the Project Companies at the earliest reasonable date is critical to the Project Companies' meeting their PPA obligations and related California Energy Commission and other permit requirements.

The RWS Agreement term shall commence on the date water is first delivered to the Project Companies, with the intent to, if at all practicable, begin such deliveries on the date that water will be required for construction of the Generating Facilities, which date will be established in the RWS Agreement, and the term shall continue thereafter until not less than twenty (20) years after the last of the Generating Facilities satisfies it's Guaranteed Commercial Operation Date pursuant to its PPA with PG&E ("**Term**"). The RWS Agreement shall include provisions for the automatic extension of the Term to continue for at least as long as the term, including all extension of either or both of the Project Companies' PPA and an optional extension at the request of either the Project Companies' to the extent that recycled water is required by either or both of the Project Companies or by SEI for as long as electrical and/or thermal energy is produced by one or both Generating Facilities.

Cost Responsibility

Each Party shall be responsible for their own costs, including legal and accounting costs, prior to the execution of the RWS Agreement. After execution of the RWS Agreement, the cost of and responsibilities therefore by the Parties shall be as provided for in the RWS Agreement.

Governing Law

This LOI, the RWS Agreement and the actions of the Parties shall be governed by California Law.

Commitment of the Parties

This Letter of Intent does not constitute a final commitment of the City to sell or the Project Companies to purchase recycled water. The definitive terms and conditions for the purchase and sale of recycled water will be incorporated in the RWS Agreement, which is subject to the authorization of the City of Coalinga and the Governing Board of SEI and the Project Companies, each in their sole discretion, and the execution and delivery of the RWS Agreement.

The Parties shall use their respective reasonable efforts to prepare, obtain all necessary approvals to and execute the RWS Agreement as soon as possible.

Contingencies

The Parties understand that the City's ability to provide water now, or in the future, pursuant to this Letter of Intent or pursuant to a recycled water supply agreement is contingent upon the City securing approval from the Fresno County Local Agency Formation Commission pursuant to Government Code Section 56133 and is further conditioned upon the City's ability to secure approval from the United States Department of the Interior, Bureau of Reclamation, pursuant to the City's water contract with said Agency. The City is unable to predict when, or if, said approvals will be secured.

This LOI is effective between the Parties on the date first written above.

The City of Coalinga:

Bill Skinner
NAME

Interim City Manager
TITLE

SIGNATURE

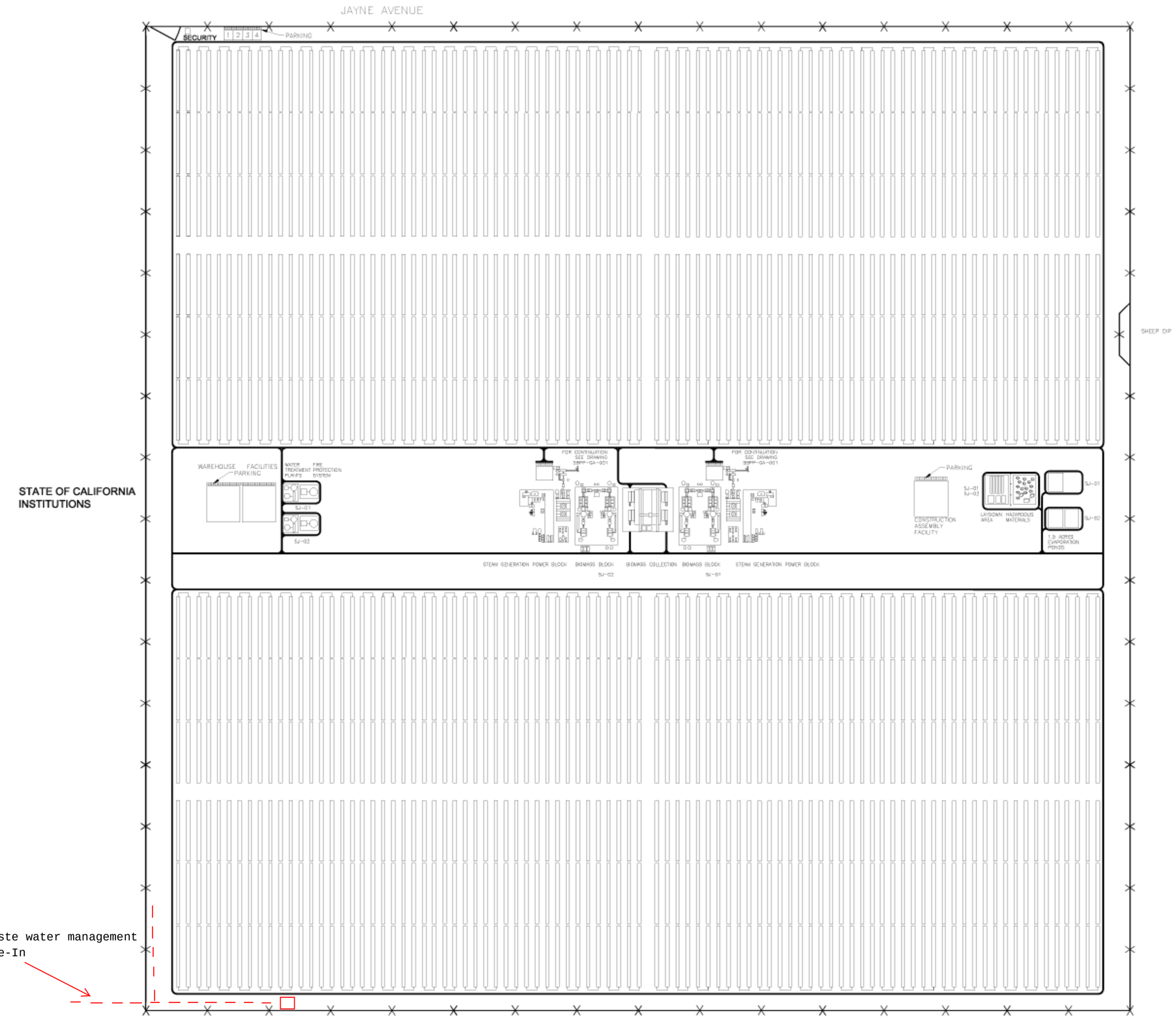
Spinnaker Energy, Inc., as agent for San Joaquin Solar 1 LLC and San Joaquin Solar 2 LLC:

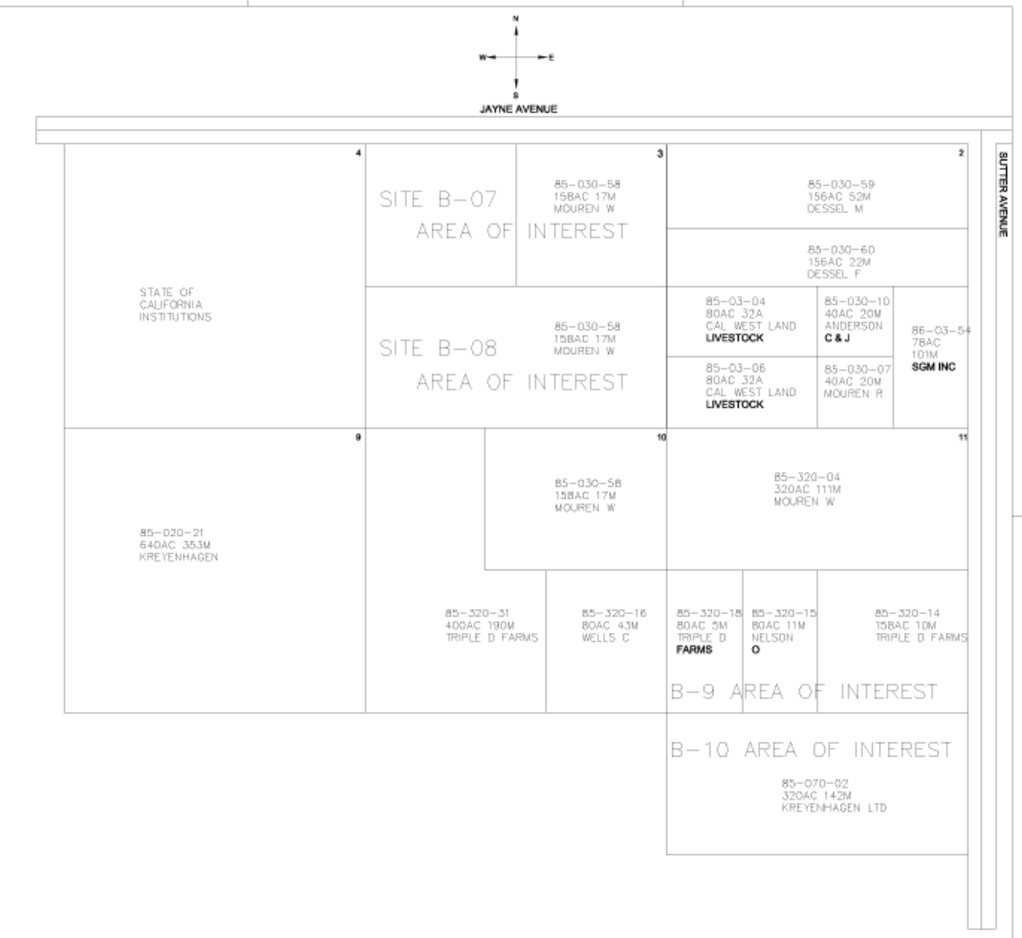
Douglas A. West
NAME

CEO
TITLE

SIGNATURE

ATTACHMENT 'A' TO LETTER OF INTENT





LEGEND

FENCE

ROAD

BUILDING 1– VISITOR'S CENTER
BUILDING 2– GENERAL OFFICES
BUILDING 3– ADMINISTRATIVE OFFICES
BUILDING 4– TECHNICAL TRAINING BUILDING

Well

Water Line

T Valve

PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	DATE	PREPARED	REVIEWED	APPROVED	DESCRIPTION
B	3/31/2008	LF	LF		ADDED SOLAR FIELD B-08
C	04/04/2008	LF	LF		RELOCATED BIOMASS, FIRE PROTECTION SYSTEM, WATER TREATMENT PLANTS
D	05/09/2008	MM	LF		ADDITION OF FENCES, ROADS, CHANGED PROJECT NAME
E	06/16/2008	MM	LF	LD	SHOWING SJ-01 (B-07) ONLY AND RELOCATING BIOMASS TO 3 CENTER OF FIELD
F	06/17/2008	MM	LF	LD	SHOWING SJ-01 AND AJ-02 WITH THEIR RESPECTIVE OPERATING EQUIPMENT
G	06/30/2008	MM	LF	LD	GENERAL REARRANGEMENT AND DELETING ONE BIOMASS COLLECTION FACILITY

BETHELENERGY

PROJECT: SJ-01 AND SJ-02 / B-07 AND B-08

L.P. DANIEL ENGINEERS AND CONTRACTORS, INC.

TITLE: SOLAR POWER PLANTS PLOT PLAN

SIZE: D | DWG NO. SPP-PP-001 | REV G

SCALE 1:3500 | SHEET 1 OF 1

ONSITE GROUNDWATER QUALITY ANALYSIS RESULTS

AGRICULTURE & PRIORITY POLLUTANTS LABORATORIES, INC.

4203 West Swift ▼ Fresno, California 93722 ▼ Phone 559.275-2175 ▼ Fax 559.275-4422
State Certification Number: CA1312 (WW & DW)
NELAP Certification number: 05233CA (HW)

June 11, 2008

URS Corporation
30 River Park Place West, #180
Fresno, California 93720

Attn: Jason Moore

Subject: Report of Data: Case 56113

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dear Mr. Moore:

Two water samples for project "27658031.00608" were received May 15, 2008, in good condition. One sample was placed on hold. Written results are being provided on this June 11, 2008, for the requested analyses. All holding times were met.

For the EPA 200.7 analysis, the sample was digested according to EPA method 200.7/11.2. Hardness was calculated using SM 2340B.

For the Mercury analysis, the sample was digested and analyzed according to EPA method 245.1.

For the EPA 150.2, 160.1, 160.2, 180.1, 300.0, 335, 350.1, 376.1, SM 2320B, SM2510B, and 4500-Si D analyses, the sample was prepared and analyzed according to the methods.

The Biochemical Oxygen Demand and Chemical Oxygen Demand analyses were subcontracted to BSK Analytical Laboratories. The Gross Alpha and Beta, Radium and Uranium analyses were subcontracted to FGL. Their reports are attached.

No unusual problems or complications were encountered with this sample set.

If you have any questions or require further information, please contact us at your convenience. Thank you for choosing APPL, Inc.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Leonard Fong, Ph.D, Laboratory Director
APPL, Inc.

LF/rp
Enclosure
cc: File

Number of pages in this report 26

56113 Moore Fresno.doc

Metals Results

ARF: 56113

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

URS Corporation
30 River Park Place West, #180
Fresno, CA 93720

Attn: JASON MOORE

APPL ID: AX78324 -Client Sample ID: B78-1 -Sample Collection Date: 05/14/08 Project: 27658031.00608

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
200.7	Aluminum (Al)	Not detected	50.0	ug/L	05/16/08	05/19/08
200.7	Antimony (Sb)	Not detected	2.0	ug/L	05/16/08	05/19/08
200.7	Arsenic (As)	3.1	2.0	ug/L	05/16/08	05/19/08
200.7	Barium (Ba)	14.5	1.5	ug/L	05/16/08	05/19/08
200.7	Beryllium (Be)	Not detected	1.0	ug/L	05/16/08	05/19/08
200.7	Boron (B)	706	25.0	ug/L	05/16/08	05/19/08
200.7	Cadmium (Cd)	Not detected	0.25	ug/L	05/16/08	05/19/08
200.7	Calcium (Ca)	237000	500.0	ug/L	05/16/08	05/19/08
200.7	Calcium (Ca)	208000 E	50.0	ug/L	05/16/08	05/19/08
200.7	Chromium (Cr)	Not detected	0.5	ug/L	05/16/08	05/19/08
200.7	Copper (Cu)	Not detected	2.5	ug/L	05/16/08	05/19/08
200.7	Iron (Fe)	Not detected	25.0	ug/L	05/16/08	05/19/08
200.7	Lead (Pb)	Not detected	1.5	ug/L	05/16/08	05/19/08
200.7	Magnesium (Mg)	161000	250.0	ug/L	05/16/08	05/19/08
200.7	Magnesium (Mg)	134000 E	25.0	ug/L	05/16/08	05/19/08
200.7	Manganese (Mn)	Not detected	1.0	ug/L	05/16/08	05/19/08
200.7	Molybdenum (Mo)	1.8	1.0	ug/L	05/16/08	05/19/08
200.7	Nickel (Ni)	Not detected	1.0	ug/L	05/16/08	05/19/08
200.7	Potassium (K)	5920	500	ug/L	05/16/08	05/19/08
200.7	Selenium (Se)	Not detected	2.0	ug/L	05/16/08	05/19/08
200.7	Silver (Ag)	1.2	0.5	ug/L	05/16/08	05/19/08
200.7	Sodium (Na)	285000	5000	ug/L	05/16/08	05/19/08
200.7	Sodium (Na)	257000 E	500	ug/L	05/16/08	05/19/08
200.7	Strontium (Sr)	2290	1.0	ug/L	05/16/08	05/19/08
200.7	Thallium (Tl)	Not detected	2.0	ug/L	05/16/08	05/19/08
200.7	Tin (Sn)	8.2	3.0	ug/L	05/16/08	05/19/08
200.7	Titanium (Ti)	Not detected	2.0	ug/L	05/16/08	05/19/08
200.7	Vanadium (V)	6.8	0.5	ug/L	05/16/08	05/19/08
200.7	Zinc (Zn)	Not detected	25.0	ug/L	05/16/08	05/19/08
200.7	Iron (Fe) (Dissolved)	33.0	25.0	ug/L	05/16/08	05/19/08
200.7	Manganese (Mn) (Dissolve	Not detected	1.0	ug/L	05/16/08	05/19/08
245.1	Mercury (Hg)	0.59	0.2	ug/L	05/21/08	05/21/08
SM2340B	Hardness	1070	1.0	mg/L	05/19/08	05/19/08

E = The reported value exceeds linear range.

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Wetlab Results

ARF: 56113

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

URS Corporation
30 River Park Place West, #180
Fresno, CA 93720

Attn: JASON MOORE

APPL ID: AX78324 -Client Sample ID: B78-1 -Sample Collection Date: 5/14/08 Project: 27658031.00608

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
415.1	Total Organic Carbon	Not detected	0.5	mg/L	5/19/08	5/19/08
EPA 150.2	pH	7.7@17.3C		pH Units	5/15/08	5/15/08
EPA 160.1	Total Dissolved Solids EPA	2250	20	mg/L	5/16/08	5/16/08
EPA 160.2	Total Suspended Solids	Not detected	10	mg/L	5/16/08	5/16/08
EPA 180.1	Turbidity	1.6	0.10	NTU	5/16/08	5/16/08
EPA 300.0	Chloride	161	10.0	mg/L	5/15/08	5/15/08
EPA 300.0	Chloride	192 E	1.0	mg/L	5/15/08	5/15/08
EPA 300.0	Fluoride	0.17	0.1	mg/L	5/15/08	5/15/08
EPA 300.0	Phosphate	Not detected	0.6	mg/L	5/15/08	5/15/08
EPA 300.0	Sulfate	1750 E	1.0	mg/L	5/15/08	5/15/08
EPA 300.0	Sulfate	1200	100.0	mg/L	5/15/08	5/15/08
EPA 350.1	Ammonia as N	Not detected	0.5	mg/L	5/16/08	5/16/08
EPA 376.1	Sulfide	3.3	1.0	mg/L	5/16/08	5/16/08
EPA335	Cyanide	Not detected	10.0	ug/L	5/16/08	5/19/08
SM 2320B	Bicarbonate as CaCO3	80.1	2.0	mg/L	5/16/08	5/16/08
SM 2320B	Carbonate as CaCO3	Not detected	2.0	mg/L	5/16/08	5/16/08
SM 2320B	Total Alkalinity as CaCO3	80.1	2.0	mg/L	5/16/08	5/16/08
SM 2510B	Specific Conductance	2880	3.0	umhos/cm @ 25C	5/16/08	5/16/08
SM 4500-Si D	Silica W	40.9	1.0	mg/L	5/19/08	5/19/08

E = The reported value exceeds linear range.

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METALS BLANK

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date	QC Group
245.1/245.1	Mercury (Hg)	Not detected	0.2	ug/L	05/21/08	05/21/08	$HG24-080521A-AX78324
200.7/11.1	Iron (Fe) (Dissolved)	Not detected	25.0	ug/L	05/16/08	05/19/08	$MT8F-080516A-AX78324
200.7/11.1	Manganese (Mn) (Dissolved)	Not detected	1.0	ug/L	05/16/08	05/19/08	$MT8F-080516A-AX78324
200.7/11.2	Aluminum (Al)	Not detected	50.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Antimony (Sb)	Not detected	2.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Arsenic (As)	Not detected	2.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Barium (Ba)	Not detected	1.5	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Beryllium (Be)	Not detected	1.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Boron (B)	Not detected	25.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Cadmium (Cd)	Not detected	0.25	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Calcium (Ca)	Not detected	50.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Chromium (Cr)	Not detected	0.5	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Copper (Cu)	Not detected	2.5	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Iron (Fe)	Not detected	25.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Lead (Pb)	Not detected	1.5	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Magnesium (Mg)	Not detected	25.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Manganese (Mn)	Not detected	1.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Molybdenum (Mo)	Not detected	1.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Nickel (Ni)	Not detected	1.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Potassium (K)	Not detected	500	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Selenium (Se)	Not detected	2.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Silver (Ag)	Not detected	0.5	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Sodium (Na)	Not detected	500	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Strontium (Sr)	Not detected	1.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Thallium (Tl)	Not detected	2.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Tin (Sn)	Not detected	3.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Titanium (Ti)	Not detected	2.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Vanadium (V)	Not detected	0.5	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324
200.7/11.2	Zinc (Zn)	Not detected	25.0	ug/L	05/16/08	05/19/08	$MTL7-080516A-AX78324

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Laboratory Control Spike Recoveries

METALS DISSOLVED

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Compound Name	Spike Lvl ug/L	SPK Res ug/L	DUP Res ug/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
EPA 200.7	Iron (Fe) (Dissolved)	1000	1050	1050	105	105	0.0	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MT8F-080516A-AX78324
EPA 200.7	Manganese (Mn) (Dissolved	250	263	264	105	106	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MT8F-080516A-AX78324
EPA 200.7	Aluminum (Al)	2000	2150	2150	108	108	0.0	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Antimony (Sb)	250	297	298	119	119	0.3	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Arsenic (As)	250	269	271	108	108	0.7	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Barium (Ba)	250	260	262	104	105	0.8	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Beryllium (Be)	50.0	52.1	52.0	104	104	0.2	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Boron (B)	250	256	258	102	103	0.8	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Cadmium (Cd)	50.0	52.2	52.6	104	105	0.8	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Calcium (Ca)	25000	26100	26000	104	104	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Chromium (Cr)	250	262	263	105	105	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Copper (Cu)	250	261	261	104	104	0.0	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Iron (Fe)	1000	1050	1050	105	105	0.0	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Lead (Pb)	250	262	264	105	106	0.8	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Magnesium (Mg)	25000	26400	26300	106	105	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Manganese (Mn)	250	263	264	105	106	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Molybdenum (Mo)	250	268	270	107	108	0.7	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Nickel (Ni)	250	258	260	103	104	0.8	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Potassium (K)	5000	5310	5330	106	107	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Selenium (Se)	250	270	271	108	108	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Silver (Ag)	100.0	92.2	93.3	92.2	93.3	1.2	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324

Comments: _____

Printed: 05/21/08 3:43:33 PM
APPL Standard LCSD

Laboratory Control Spike Recoveries

METALS

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Compound Name	Spike Lvl ug/L	SPK Res ug/L	DUP Res ug/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
EPA 200.7	Sodium (Na)	25000	27100	27300	108	109	0.7	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Strontium (Sr)	250	256	255	102	102	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Thallium (Tl)	250	263	270	105	108	2.6	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Tin (Sn)	250	265	270	106	108	1.9	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Titanium (Ti)	250	263	264	105	106	0.4	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Vanadium (V)	250	272	274	109	110	0.7	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 200.7	Zinc (Zn)	500	540	546	108	109	1.1	20	80-120	05/16/08	05/19/08	05/16/08	05/19/08	$MTL7-080516A-AX78324
EPA 245.1	Mercury (Hg)	4.0	3.8	3.7	95.0	92.5	2.7	20	80-120	05/21/08	05/21/08	05/21/08	05/21/08	$HG24-080521A-AX78324

Comments:

Printed: 05/21/08 3:43:33 PM
APPL Standard LCSD

WETLAB BLANK

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Analyte	Result	PQL	Units	Prep Date	Anal Date	QC Group
SM 2320B	Bicarbonate as CaCO3	Not detected	2.0	mg/L	5/16/08	5/16/08	$232W-080516A-AX78324
SM 2320B	Carbonate as CaCO3	Not detected	2.0	mg/L	5/16/08	5/16/08	$232W-080516A-AX78324
SM 2320B	Total Alkalinity as CaCO3	Not detected	2.0	mg/L	5/16/08	5/16/08	$232W-080516A-AX78324
EPA 300.0	Chloride	Not detected	1.0	mg/L	5/15/08	5/15/08	$300W-080515A-AX78324
EPA 300.0	Fluoride	Not detected	0.1	mg/L	5/15/08	5/15/08	$300W-080515A-AX78324
EPA 300.0	Phosphate	Not detected	0.6	mg/L	5/15/08	5/15/08	$300W-080515A-AX78324
EPA 300.0	Sulfate	Not detected	1.0	mg/L	5/15/08	5/15/08	$300W-080515A-AX78324
EPA335	Cyanide	Not detected	10.0	ug/L	5/16/08	5/19/08	$335W-080516A-AX78324
EPA 350.1	Ammonia as N	Not detected	0.5	mg/L	5/16/08	5/16/08	$350-080516A-AX78324
EPA 376.1	Sulfide	Not detected	1.0	mg/L	5/16/08	5/16/08	$37HP-080516A-AX78324
415.1	Total Organic Carbon	Not detected	0.5	mg/L	5/19/08	5/19/08	$415-080519A-AX78324
SM 2510B	Specific Conductance	Not detected	3.0	umhos/cm @ 25C	5/16/08	5/16/08	$EC-080516A-AX78324
SM 4500-Si	Silica W	Not detected	1.0	mg/L	5/19/08	5/19/08	$SIO2-080519A-AX78324
EPA 160.1	Total Dissolved Solids EPA 1	Not detected	10	mg/L	5/16/08	5/16/08	$TDS-080516A-AX78309
EPA 160.2	Total Suspended Solids	Not detected	10	mg/L	5/16/08	5/16/08	$TSSH-080516A-AX78324
EPA 180.1	Turbidity	Not detected	0.10	NTU	5/16/08	5/16/08	$TURB-080516A-AX78324

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Laboratory Control Spike Recovery

WETLAB

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Compound Name	Spike Level NTU	SPK Result NTU	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 180.1	Turbidity	4.0	3.93	98.3	90-110	5/16/08	5/16/08	$TURB-080516A-AX78324

Comments:

Printed: 5/20/08 12:01:40 PM
APPL Standard LCS

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Compound Name	Spike Lvl mg/L	SPK Res mg/L	DUP Res mg/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
415.1	Total Organic Carbon	10.00	9.91	9.57	99.1	95.7	3.5	20	80-120	05/19/08	05/19/08	05/19/08	05/19/08	$415-080519A-AX78324
EPA 160.1	Total Dissolved Solids EPA	221	221	221	100	100	0.0	20	80-120	05/16/08	05/16/08	05/16/08	05/16/08	$TDS-080516A-AX78309
EPA 300.0	Chloride	25.0	23.8	23.8	95.2	95.2	0.0	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 300.0	Fluoride	5.00	4.92	4.93	98.4	98.6	0.20	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 300.0	Phosphate	15.3	15.6	15.4	102	101	1.3	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 300.0	Sulfate	25.0	24.1	24.1	96.4	96.4	0.0	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 350.1	Ammonia as N	5.00	4.61	4.78	92.2	95.6	3.6	20	90-110	05/16/08	05/16/08	05/16/08	05/16/08	$350-080516A-AX78324

Comments: _____

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APPL Standard LCSD

Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Compound Name	Spike Lvl ug/L	SPK Res ug/L	DUP Res ug/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
EPA335	Cyanide	232	230	228	99.1	98.3	0.87	20	90-110	05/16/08	05/19/08	05/16/08	05/19/08	$335W-080516A-AX78324

10

Comments:

Printed: 5/20/08 12:01:52 PM
APPL Standard LCSD

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 376.1	Sulfide	5.26	5.10	97.0	75-125	5/16/08	5/16/08	$37HP-080516A-AX78324
SM 2320B	Total Alkalinity as CaCO3	250	256	102	90-110	5/16/08	5/16/08	$232W-080516A-AX78324
SM 4500-Si	Silica W	4.00	4.43	111	80-120	5/19/08	5/19/08	$SIO2-080519A-AX78324

Comments:

Printed: 5/20/08 12:01:39 PM
APPL Standard LCS

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Compound Name	Spike Level mhos/cm @ 2!	SPK Result mhos/cm @ 25	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
SM 2510B	Specific Conductance	1410	1470	104	80-120	5/16/08	5/16/08	$EC-080516A-AX78324

Comments:

Printed: 5/20/08 12:01:40 PM
APPL Standard LCS

BSK Analytical Laboratories
Engineers & Laboratories

1414 Stanislaus Street
Fresno, California 93706
(559) 497-2888
Fax (559) 485-6935

BSK Submission Number: 2008051239

RECEIVED
MAY 29 2008
BY:

Renee Patterson
APPL Inc.
4203 West Swift
Fresno, CA 93722

05/22/2008

Dear Renee Patterson,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Please find enclosed the following sections for your complete laboratory report, each uniquely paginated:

CASE NARRATIVE: An overview of the work performed.
CERTIFICATE OF ANALYSIS: Analytical results.
REPORT OF SAMPLE INTEGRITY
CHAIN OF CUSTODY FORM

Certification: BSK Analytical Laboratories certifies that the test results contained in this report meet all requirements of the NELAC Standards for applicable certified drinking water chemistry analyses under CA NELAP Certificate #04227CA, CA-ELAP Certificate #1180, and Nevada Certificate #CA79. For all other matrices and bacteriological analyses, this data package is in compliance with ELAP Standards for applicable certified analyses under CA-ELAP Certificate #1180. Any exceptions to applicable standards have been noted in the case narrative. Please note that certifications are applicable only to tests and/or analytes specified on each. Certification information may be obtained by contacting the laboratory or visiting our website at www.bsklabs.com. The results in this report pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from BSK Analytical Laboratories.

If additional clarification of any information is required, please contact your Client Services Representative, Stephanie Dollahite, at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

Stephanie Dollahite
Client Services Representative

Maria C Manne
Quality Control Reviewer

ACCREDITED IN ACCORDANCE WITH nelac

SAMPLE AND RECEIPT INFORMATION

The sample(s) was received, prepared, and analyzed within the method specified holding times unless otherwise noted on the Certificate of Analysis. Samples, when shipped, arrived within acceptable temperature requirements of 0° to 6° Celsius unless otherwise noted on the Report of Sample Integrity. Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.

QUALITY CONTROL

All analytical quality controls are within established method criteria except when noted in the Quality Control section or on the Certificate of Analysis. All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed. QC samples may include analytes not requested in this submission.

SAMPLE RESULT INFORMATION

Samples are analyzed as received (wet weight basis) unless noted here. The results relate only to the items tested. Any exceptions to be considered when evaluating these results are also listed here, if applicable. Results contained in this package shall not be reproduced, except in full, without written approval of BSK Analytical Laboratories.

ORDER	TEST	ANALYTE	COMMENT
			Samples received outside temperature compliance. Analysis performed as per client request.

An Employee-Owned Company | Analytical Testing | Construction Observation | Environmental Engineering
Drilling Services | Food & Dairy Laboratories | Geotechnical Engineering | Materials Testing

BSK Analytical Laboratories
Engineers & Laboratories

1414 Stanislaus Street
Fresno, California 93706
(559) 497-2888
Fax (559) 485-6935

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Renee Patterson
APPL Inc.
4203 West Swift
Fresno, CA 93722

BSK Submission #: 2008051239
BSK Sample ID #: 986875

Report Issue Date: 05/22/2008

Project ID:
Project Desc: ARF 56113
Submission Comments:
Sample Type: Liquid
Sample Description: AX78324 B78-1
Sample Comments:

Date Sampled: 05/14/2008
Time Sampled: 1625
Date Received: 05/15/2008

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Biochemical Oxygen Demand (BOD)	SM 5210-B	ND	mg/L	5.0	1	5.0	05/16/08 09:56	05/21/08 09:10
Chemical Oxygen Demand (COD)	SM 5220-D	ND	mg/L	5.0	1	5.0	05/19/08	05/19/08

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.
MDC: Min Detectable Concentration

Report Authentication Code:

BSK Analytical Laboratories
Engineers & Laboratories
1414 Stanislaus Street
Fresno, California 93706
(559) 497-2888
Fax (559) 485-6935

QC Summary Report

05/22/2008

BSK Submission : **2008051239**
Client : **APPL Inc.**
Date Submitted : **05/15/2008**
Project ID :

Project Desc : **ARF 56113**

NELAP Certificate #04227CA
ELAP Certificate #1180

BSK StarLims Run #: 152684

Analyst Initials: **CESARG** Method Number: **BOD**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Biochemical Oxygen Demand (BOD)	LCS	N/A	350	mg/L	87		400	ND	130	70	05/21/08	*Acceptable*
Carbonaceous BOD	LCS	N/A	350	mg/L	87		400	ND	130	70	05/21/08	*Acceptable*
Biochemical Oxygen Demand (BOD)	LCSD	N/A	350	mg/L	87	0.0	400	ND	130	70	05/21/08	*Acceptable*
Carbonaceous BOD	LCSD	N/A	350	mg/L	87	0.0	400	ND	130	70	05/21/08	*Acceptable*
Biochemical Oxygen Demand (BOD)	LDUP	986868	ND	mg/L	N/A			ND	10	N/A	05/21/08	*Acceptable*
Biochemical Oxygen Demand (BOD)	RBLK	N/A	ND	mg/L	< 5.0				5.0	N/A	05/21/08	*Acceptable*
Carbonaceous BOD	RBLK	N/A	ND	mg/L	< 5.0				5.0	N/A	05/21/08	*Acceptable*

StarLims Run 152684 includes the following BSK Sample ID# :

986802 986868 986875 987302 987303 987361 987439 987440 987575 987597 987599 987602 987603 987604 987605 987626 987627 987628 987629

BSK StarLims Run #: 152790

Analyst Initials: **CESARG** Method Number: **COD**

Analyte Results

Analyte	QC Type	Matrix Spike ID	Result	Units	% Rec or RPD	Spike RPD	Spk Conc	Matrix Conc	UCL	LCL	Date	
Chemical Oxygen Demand (COD)	LCS	N/A	110	mg/L	106		100	ND	120	80	05/19/08	*Acceptable*
Chemical Oxygen Demand (COD)	LCSD	N/A	100	mg/L	104	1.3	100	ND	120	80	05/19/08	*Acceptable*
Chemical Oxygen Demand (COD)	MS	987603	130	mg/L	110		100	25	120	80	05/19/08	*Acceptable*
Chemical Oxygen Demand (COD)	MSD	987603	130	mg/L	107	2.1	100	25	120	80	05/19/08	*Acceptable*
Chemical Oxygen Demand (COD)	RBLK	N/A	ND	mg/L	< 5.0				5.0	N/A	05/19/08	*Acceptable*

StarLims Run 152790 includes the following BSK Sample ID# :

984661 985633 985634 986340 986341 986614 986875 987361 987603 987605 987985 987986 987987 987988 987989 987990 987991

Approved by: Maria C Manuel

%Rec: Percent Recovered
RPD: Relative Percent Difference
UCL: Upper Control Limit
LCL: Lower Control Limit
LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate
LDUP: Laboratory Sample Duplicate

Parent Sample: Sample used as background matrix for MS/MSD
OOS-High: QC Result Above UCL
OOS-Low: QC Result Below LCL
MS: Matrix Spike
MSD: Matrix Spike Duplicate
RBLK: Reagent (Method) Blank
Surrogate results for QC standards are not evaluated for acceptability (due to definition of a surrogate standard)

Sample Integrity

Pg. 1 of 2

2008051239 05/15/2008
APPL INC TAT: Standard ____
515103

Date Received 051508

Section 1- Sampled Same Day

Sample Transport: Walk In SJVC BSK-Courier Transported In: Ice Chest Box Hand

Has chilling process begun? Y N Samples Received: Chilled to Touch / Ambient / On Ice

Section 2- Sampled Previously

Sample Transport: CAO UPS SJVC Walk-In BSK-Courier GSO Fed Exp. Other: ____

No. Coolers/Ice Chests: 1 Temperature(s): 14°

Was Temperature In Range: ~~Y~~ N Received On Ice: Wet ~~Blue~~

Describe type of packing materials: ~~Bubble Wrap~~ ~~Foam~~ Packing ~~Peanuts~~ ~~Paper~~ ~~Other~~: ____

Were ice chest custody seals present? ~~Y~~ N Intact: Y N

Section 3- COC Info.	Completed Yes	Completed No	Info From Container		Completed Yes	Completed No	Info From Container
Was COC Received	✓			Analysis Requested	✓		
Date Sampled	✓			Any hold times less than 72hr	✓		
Time Sampled	✓			Client Name	✓		
Sample ID	✓			Address	✓		
Special Storage/Handling Ins.		✓		Telephone #	✓		

Section 4- Bottles / Analysis	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?:	✓			
Were bottle custody seals present?		✓		
Were bottle custody seals intact?		✓		
Did all bottle labels agree with COC?:	✓			
Were correct containers used for the tests requested?:	✓			
Were correct preservations used for the tests requested?:	✓			
Was a sufficient amount of sample sent for tests indicated?:	✓			
Were bubbles present in VOA Vials?: **(Volatile Methods Only)**			✓	
Were Ascorbic Acid Bottles received with the VOAs			✓	

Section 5- Comments / Discrepancies

Sample(s) Split/Preserve: Yes ~~No~~ Container: ~~2 500ml Ag~~ Preservation: ~~H2SO4~~ Init.: ____

Was Client Service Rep. notified of discrepancies: Yes No N/A CSR: Steph. Notified By: JM

Explanations / Comments

Outside temp.

Report Comment Entered:

SR-FL-0002-02 Labeled by: ____ Labels checked by: ____

Sample Integrity Pg 2 of 2

2008051239
APPL INC
515103

05/15/2008
TAT: Standard

SR-FL-0002-02

BSK Bottles Yes Nc

8oz (A) 16oz (B) 32oz (C) Amber Glass (AG)

Container(s) Received	1						
Bacti $Na_2S_2O_3$							
None (p) White Cap	2 (*)						
None (p) Blue Cap							
HNO_3 (p) Red Cap							
H_2SO_4 (p) Yellow Cap							
NaOH (p) Green Cap							
Other:							
Dissolved Oxygen 300ml (g)							
250ml (AG) None							
250ml (AG) H_2SO_4 COD Yellow Label	1						
250ml (AG) $Na_2S_2O_3$ 515,547 Blue Label							
250ml (AG) $Na_2S_2O_3$+ MCAA 531.1 Orange Label							
250ml (AG) NH_4Cl 552 Purple Label							
250ml (AG) EDA DBPs Brown Label							
250ml (AG) Other:							
500ml (AG) None							
500ml (AG) H_2SO_4 TPH-Diesel Yellow Label							
1 Liter (AG) None							
1 Liter (AG) H_2SO_4 O&G Yellow Label							
1 Liter (AG) $Na_2S_2O_3$ 548 / 525 / 521 Blue Label							
1 Liter (P) $Na_2S_2O_3$+ H_2SO_4 549							
1 Liter (AG) NaOH+ZnAc Sulfide							
1 Liter (AG) Ascorbic/EDTA/Pot Citrate 527 Grey Label							
1 Liter (AG) CuSO4/Trizma 529 Turquoise Label							
1 Liter (AG) Na_2SO_3 / HCL 525 **UCMR** Neon Green Label							
1 Liter (AG) Ammonium Chloride 535 Purple Label							
40ml VOA Vial Clear – HCL							
40ml VOA Vial Amber – $Na_2S_2O_3$							
40ml VOA Vial Clear – None							
40ml VOA Vial Clear - $Na_2S_2O_3$ 504, 505							
40ml VOA Vial Clear – H_3PO_4							
Other:							
Asbestos 32oz Plastic/Foil							
Radiological GA / GB (½ Gal Plastic)							
Radiological 226 / 228 (32 oz plastic N-BSK)							
Radon 200ml Clear (g)							
Low Level Hg/Metals Double Baggie							
THM-FP 4-40ml VOA None							
250 Clear Glass Jar							
500 Clear Glass Jar							
1 Liter Clear Glass Jar							
Plastic Bag							
Soil Tube Brass / Steel / Plastic							
Tedlar Bags							

SUBCONTRACT ORDER

APPL, Inc.

5/15/03 14°

ARF: 56113 **PO: 00-56113**

2008051239 05/15/20(
APPL INC
515103
TAT: Standa

SENDING LABORATORY:
Agriculture & Priority Pollutants Laboratories, Inc.
4203 W. Swift
Fresno, CA 93722
Phone: (559) 275-2175
Fax: (559) 275-4422
Project Manager: Renee Patterson (rpatterson@applinc.com) rp

RECEIVING LABORA
BSK
1414 Stanislaus St.
Fresno, CA 93706
Phone: (559) 497-2888x0000
Fax: (559) 485-6935

Comments: ~~3-5~~ 7 day TAT or as fast as possible

	APPL ID	Sample ID	Matrix	Collected	Analysis
1.	AX78324	B78-1	Water	05/14/08 16:25	BOD
			Water	05/14/08 16:25	COD

986875

*7 Day ok per Renee & proceed out of temp SB 5/15/08

(*) recvd extra set of samples for sample ID B78-1D, out of temp. JM051508

Released By	Date	Time	Received By	Date	Time
	05/15/08	1400		5-15-08	14:55
	5-15-08	15:05		051508	1455.

To ensure timely payment, please include the PO number on your invoice

ANALYTICAL CHEMISTS

June 11, 2008

Lab ID : SP 805380
Customer : 2004164

Appl, Inc.
4203 W. Swift Ave.
Fresno, CA 93722

Laboratory Report

Introduction: This report package contains total of 4 pages divided into three sections:

Case Narrative (2 Pages): An overview of the work performed at FGL.
Chemical Results (1 Page): Results for each sample submitted.
Quality Control (1 Page): Supporting Quality Control (QC) results.

This report package pertains to the following sample:

Sample Description	Date Sampled	Date Received	FGL Lab Sample ID #	Matrix
B78-1	05/14/2008	05/19/2008	SP 805380-01	DW

Sampling and Receipt Information: The sample was received, prepared and analyzed within the method specified holding times. All samples were received at room temperature. All samples were checked for pH if acid or base preservation required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Forms.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio Chemistry QC

900.0	05/27/2008:A207 All preparation quality controls are within established criteria.
	06/04/2008:B - GP219 All analysis quality controls are within established criteria.
903.0	05/26/2008:A215 All preparation quality controls are within established criteria.
	05/28/2008:A - GP215 All analysis quality controls are within established criteria.
908.0	05/20/2008:A218 All preparation quality controls are within established criteria.
	05/27/2008:A - GP216 All analysis quality controls are within established criteria.

Case narrative continued on next page...

Corporate Offices & Laboratory
P.O. Box 272 / 853 Corporation Street
Santa Paula, CA 93061-0272
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FAX: (805) 525-4172
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CA ELAP Certification No. 1573

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Stockton, CA 95215
TEL: (209) 942-0182
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TEL: (559) 734-9473
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Mobile: (559) 737-2399

June 11, 2008

Lab ID : SP 805380
Customer : 2004164

Appl, Inc.

Certification: I certify that this data package is in compliance with NELAC Standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following signature.

FGL ENVIRONMENTAL

KAD:cea

Kelly A. Dunnahoo, B.S.
Laboratory Director

ANALYTICAL CHEMISTS

June 11, 2008

Appl, Inc.
4203 W. Swift Ave.
Fresno, CA 93722

Description : B78-1
Project : ARF: 56113 - PO: 00-56113

Lab ID : SP 805380-01
Customer ID: 2-4164

Sampled On : May 14, 2008-16:25
Sampled By : Not Available
Received On: May 19, 2008-10:00
Matrix : Drinking Water

Sample Results - Radio

Constituents	Result ± Error	MDA	Units	MCL	Preparation Method	Preparation Date/ID	Analysis Method	Analysis Date/ID
Radio Chemistry P:1,5								
Gross Alpha	6.22 ± 4.45	6.6	pCi/L	15*	900.0	05/27/08:A207	900.0	06/05/2008:B01
Gross Beta	1.26 ± 2.72	4.7	pCi/L	50	900.0	05/27/08:A207	900.0	06/05/2008:B01
Alpha Radium(226)	0.000 ± 0.175	0.42	pCi/L	5	903.0	05/26/08:A215	903.0	05/29/2008:A01
Uranium	3.98 ± 0.884	0.32	pCi/L	20	908.0	05/20/08:A218	908.0	05/27/2008:A01

MDA = Minimum Detectable Activity; Data utilized by the DHS to determine matrix interference. MCL = Maximium Contaminat Level.
Containers: (P) Plastic Preservatives: (1) Cool 4°C, (5) HNO3 pH < 2
* Including Radium but excluding Uranium. (Ref. Title 22 sec. 64442.)
CCR Section 64442: Compliance Note: If Gross Alpha (Result + (0.84 x error)) exceeds 5 pCi/L run Uranium. If Gross Alpha minus Uranium exceeds 5 pCi/L run Radium 226. Samples that exceed 5 pCi/L are held for 6 months at FGL.

Compliance:
Gross Alpha - Uranium ≤ 15 pCi/L
Uranium ≤ 20 pCi/L
Radium 226 + Radium 228 ≤ 5 pCi/L

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Mobile: (559) 737-2399

June 11, 2008 Lab ID : SP 805380

Appl, Inc. Customer : 2-4164

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Alpha Radium(226)	903.0	05/26/2008:A215	RgBlk	pCi/L		0.23	2	
			LCS	pCi/L	18.85	69.8%	52- 89	
			BS	pCi/L	18.85	64.1%	43- 92	
			BSD	pCi/L	18.85	59.8%	43- 92	
			BSRPD	pCi/L		6.9%	≤35.5	
Alpha-α	903.0	05/28/2008:A	00-CCB	cpm		0.10	.084±.05	
			00-CCV	cpm	19760	44.5%	41.0±10	
Gross Alpha	900.0	05/27/2008:A207	Blank	pCi/L		ND	<1	
			LCS	pCi/L	146.5	102%	75-125	
			MS	pCi/L	585.8	75.1%	60-140	
		(SP 805451-01)	MSD	pCi/L	585.8	73.0%	60-140	
			MSRPD	pCi/L		2.8%	≤30	
Alpha-α	900.0	06/04/2008:B	00-CCB	cpm		0.12	.0781±.055	
			00-CCV	cpm	11600	39.3%	40.6±5.0	
Gross Beta	900.0	05/27/2008:A207	Blank	pCi/L		ND	<4	
			LCS	pCi/L	105.1	121%	75-125	
			MS	pCi/L	420.4	94.2%	80-130	
		(SP 805451-01)	MSD	pCi/L	420.4	89.5%	80-130	
			MSRPD	pCi/L		5.1%	≤30	
Beta-ß	900.0	06/04/2008:B	00-CCB	cpm		0.46	.365±.13	
			00-CCV	cpm	11600	86.5%	89.8±5.0	
Uranium	908.0	05/20/2008:A218	RgBlk	pCi/L		0.00	1	
			LRS	pCi/L	20.27	91.2%	46-100	
			BS	pCi/L	20.27	81.4%	75-125	
			BSD	pCi/L	20.27	93.2%	75-125	
			BSRPD	pCi/L		13.5%	≤20	
Alpha-α	908.0	05/27/2008:A	00-CCB	cpm		0.10	.0647±.089	
			00-CCV	cpm	19760	46.4%	42.0±10	

Definitions

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
- LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
- LRS : Laboratory Recovery Standard
- MS/MSD : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
- BS/BSD : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
- CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
- CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
- ND : Non-detect - Result was below the DQO listed for the analyte.
- DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.

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Mobile: (559) 737-2399

SUBCONTRACT ORDER

APPL, Inc.

ARF: 56113 **PO: 00-56113** 805380

SENDING LABORATORY:
Agriculture & Priority Pollutants Laboratories, Inc.
4203 W. Swift
Fresno, CA 93722
Phone: (559) 275-2175
Fax: (559) 275-4422
Project Manager: Renee Patterson (rpatterson@applinc.com) rp

RECEIVING LABORATORY:
FGL
853 CORPORATION ST.
SANTA PAULA, CA 93060
Phone: (805) 659-0910x
Fax: (805) 525-4172

Comments: As fast as possible!

	APPL ID	Sample ID	Matrix	Collected	Analysis
1.	AX78324	B78-1	Water	05/14/08 16:25	GROSS ALPHA & Beta EPA 900
			Water	05/14/08 16:25	TOTAL RADIUM BY EPA 903
			Water	05/14/08 16:25	URANIUM EPA 908

05/15/08 1400

Released By	Date	Time	Received By	Date	Time
				5/19/08	1000
Released By	Date	Time	Received By	Date	Time

To ensure timely payment, please include the PO number on your invoice

Printed: 05/15/08 1:49:21 PM

SUB_ID: 2898

Santa Paula - Condition Upon Receipt (Attach to COC)

Sample Receipt:

1. Number of ice chests/packages received: _____
   Note as OTC if received over the counter-unpackaged.
2. Were samples received in a chilled condition? Temps: _____ / _____ / _____ / _____ / _____
   Acceptable is 2° to 6° C. Also acceptable is received on ice (ROI) for the same day of sampling or received at room temperature (RRT) if sampled within one hour of receipt. Client contact for temperature failures must be documented below. If many packages are received at one time check for tests/H.T.'s/rushes/Bacti's to prioritize further review. Please notify Microbiology personnel immediately of bacti samples received.
3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
5. Were sample custody seals intact? N/A Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? Yes No
2. Did bottle labels correspond with the client's ID's? Yes No
3. Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL
4. VOAs checked for Headspace? Yes No N/A
5. Were all analyses within holding times at time of receipt? Yes No
6. Have rush or project due dates been checked and accepted? N/A Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): _____

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____
   Initiated By: _____ Phone Number: _____
   Problem: _____ Date: _____

   Resolution:

2. Person Contacted: _____
   Initiated By: _____ Phone Number: _____
   Problem: _____ Date: _____

   Resolution:

SP 0805380

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 27190

Report to: PLEASE PRINT
Company Name: URS CORPORATION
Phone: 559.256.1444
Address: 30 RIVER PARK PLACE WEST, STE 180
FRESNO, CA 93720
Fax: 559.256.1478
Attn: JASON MOORE

Invoice to: PLEASE PRINT
Company Name: SAME AS REPORT (JASON MOORE)
Phone:
Address:
Fax:
Attn:

Project Name/Number: 27658031.00608
Purchase Order Number:
Sampler (Print): SHANKAR SHARMA
Sampler (Signature): Shankar Sharma

Date Shipped:
Carrier:
Waybill No.:
Comments: SEE BID NO. 446 FOR ANALYSIS DETAILS

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	NO_3, PO_4, SO_4, Cl, F BY EPA 300	ALKALINITY SM 2320B	AMMONIA AS N EPA 350.1	BOD COD SM5220	CYANIDE EPA 335.2	SILICA EPA 370.1	SULFIDE EPA 376.1	T 22 METALS (MINERALS/HARDNESS)	TDS, TSS, EC, H, TURB., SILICA	TDS BY EPA 160.1	TOTAL METALS BY EPA 6010B	DISSOLVED FE MN	TDL BY EPA 415.1	GROSS α, β BY EPA 900	RADIUM 226/228 BY EPA 903	URANIUM BY EPA 908			
B78-1	BETHEL 7/8	5/14/08	1625	W	13	X	X	X	X	X	X	X	X											
B78-1D	BETHEL 7/8	5/14/08	1625	W	13																			HOLD FOR RESULTS OF SAMPLE
LAST LINE																								

Shuttle Temperature:

Turnaround Requested: MUST CHECK ONE
☐ Standard (2-3 week) ☐ One week ☑ 24-48 hour 3 DAYS

Sample Disposal:
☐ Return to client ☑ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Shankar Sharma	5/15/08	11-26					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					05/15/2008	11:26	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

Wetlab Results

ARF: 56113

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

URS Corporation
30 River Park Place West, #180
Fresno, CA 93720

Attn: JASON MOORE

APPL ID: AX78324 -Client Sample ID: B78-1 -Sample Collection Date: 5/14/2008 Project: 27658031.00608

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
415.1	Total Organic Carbon	Not detected	0.5	mg/L	5/19/2008	5/19/2008
EPA 150.2	pH	7.7@17.3C		pH Units	5/15/2008	5/15/2008
EPA 160.1	Total Dissolved Solids EPA	2250	20	mg/L	5/16/2008	5/16/2008
EPA 160.2	Total Suspended Solids	Not detected	10	mg/L	5/16/2008	5/16/2008
EPA 180.1	Turbidity	1.6	0.10	NTU	5/16/2008	5/16/2008
EPA 300.0	Chloride	161	10.0	mg/L	5/15/2008	5/15/2008
EPA 300.0	Chloride	192 E	1.0	mg/L	5/15/2008	5/15/2008
EPA 300.0	Fluoride	0.17	0.1	mg/L	5/15/2008	5/15/2008
EPA 300.0	Nitrate	4.2	0.5	mg/L	5/15/2008	5/15/2008
EPA 300.0	Phosphate	Not detected	0.6	mg/L	5/15/2008	5/15/2008
EPA 300.0	Sulfate	1750 E	1.0	mg/L	5/15/2008	5/15/2008
EPA 300.0	Sulfate	1200	100.0	mg/L	5/15/2008	5/15/2008
EPA 350.1	Ammonia as N	Not detected	0.5	mg/L	5/16/2008	5/16/2008
EPA 376.1	Sulfide	3.3	1.0	mg/L	5/16/2008	5/16/2008
EPA335	Cyanide	Not detected	10.0	ug/L	5/16/2008	5/19/2008
SM 2320B	Bicarbonate as CaCO3	80.1	2.0	mg/L	5/16/2008	5/16/2008
SM 2320B	Carbonate as CaCO3	Not detected	2.0	mg/L	5/16/2008	5/16/2008
SM 2320B	Hydroxide as CaCO3	Not detected	2.0	mg/L	5/16/2008	5/16/2008
SM 2320B	Total Alkalinity as CaCO3	80.1	2.0	mg/L	5/16/2008	5/16/2008
SM 2510B	Specific Conductance	2880	3.0	umhos/cm @ 25C	5/16/2008	5/16/2008
SM 4500-Si D	Silica W	40.9	1.0	mg/L	5/19/2008	5/19/2008

E = The reported value exceeds linear range.

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AMENDED PAGE

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APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Analyte	Result	PQL	Units	Prep Date	Anal Date	QC Group
SM 2320B	Bicarbonate as CaCO3	Not detected	2.0	mg/L	5/16/2008	5/16/2008	$232W-080516A-AX78324
SM 2320B	Carbonate as CaCO3	Not detected	2.0	mg/L	5/16/2008	5/16/2008	$232W-080516A-AX78324
SM 2320B	Hydroxide as CaCO3	Not detected	2.0	mg/L	5/16/2008	5/16/2008	$232W-080516A-AX78324
SM 2320B	Total Alkalinity as CaCO3	Not detected	2.0	mg/L	5/16/2008	5/16/2008	$232W-080516A-AX78324
EPA 300.0	Chloride	Not detected	1.0	mg/L	5/15/2008	5/15/2008	$300W-080515A-AX78324
EPA 300.0	Fluoride	Not detected	0.1	mg/L	5/15/2008	5/15/2008	$300W-080515A-AX78324
EPA 300.0	Nitrate	Not detected	0.5	mg/L	5/15/2008	5/15/2008	$300W-080515A-AX78324
EPA 300.0	Phosphate	Not detected	0.6	mg/L	5/15/2008	5/15/2008	$300W-080515A-AX78324
EPA 300.0	Sulfate	Not detected	1.0	mg/L	5/15/2008	5/15/2008	$300W-080515A-AX78324
EPA335	Cyanide	Not detected	10.0	ug/L	5/16/2008	5/19/2008	$335W-080516A-AX78324
EPA 350.1	Ammonia as N	Not detected	0.5	mg/L	5/16/2008	5/16/2008	$350-080516A-AX78324
EPA 376.1	Sulfide	Not detected	1.0	mg/L	5/16/2008	5/16/2008	$37HP-080516A-AX78324
415.1	Total Organic Carbon	Not detected	0.5	mg/L	5/19/2008	5/19/2008	$415-080519A-AX78324
SM 2510B	Specific Conductance	Not detected	3.0	umhos/cm @ 25C	5/16/2008	5/16/2008	$EC-080516A-AX78324
SM 4500-Si	Silica W	Not detected	1.0	mg/L	5/19/2008	5/19/2008	$SIO2-080519A-AX78324
EPA 160.1	Total Dissolved Solids EPA 1	Not detected	10	mg/L	5/16/2008	5/16/2008	$TDS-080516A-AX78309
EPA 160.2	Total Suspended Solids	Not detected	10	mg/L	5/16/2008	5/16/2008	$TSSH-080516A-AX78324
EPA 180.1	Turbidity	Not detected	0.10	NTU	5/16/2008	5/16/2008	$TURB-080516A-AX78324

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Laboratory Control Spike Recoveries

WETLAB

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Method	Compound Name	Spike Lvl mg/L	SPK Res mg/L	DUP Res mg/L	SPK % Recov	DUP % Recov	RPD	RPD Max	QC Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group
415.1	Total Organic Carbon	10.00	9.91	9.57	99.1	95.7	3.5	20	80-120	05/19/08	05/19/08	05/19/08	05/19/08	$415-080519A-AX78324
EPA 160.1	Total Dissolved Solids EPA	221	221	221	100	100	0.0	20	80-120	05/16/08	05/16/08	05/16/08	05/16/08	$TDS-080516A-AX78309
EPA 300.0	Chloride	25.0	23.8	23.8	95.2	95.2	0.0	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 300.0	Fluoride	5.00	4.92	4.93	98.4	98.6	0.20	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 300.0	Nitrate	22.143	20.7	20.8	93.5	93.9	0.48	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 300.0	Phosphate	15.3	15.6	15.4	102	101	1.3	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 300.0	Sulfate	25.0	24.1	24.1	96.4	96.4	0.0	20	90-110	05/15/08	05/15/08	05/15/08	05/15/08	$300W-080515A-AX78324
EPA 350.1	Ammonia as N	5.00	4.61	4.78	92.2	95.6	3.6	20	90-110	05/16/08	05/16/08	05/16/08	05/16/08	$350-080516A-AX78324

AMENDED PAGE

Comments: _____

GROUNDWATER WELL DRILLER'S REPORTS

ORIGINAL
File with DWR

Page 1 of 1

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. EO-38695

Owner's Well No. MOURAN #1

Date Work Began 6/26/06, Ended 7/14/06

Local Permit Agency FRESNO COUNTY

Permit No. WP-0026516 Permit Date 3/27/06

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./ STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ✓ VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)

DRILLING METHOD REVERSE FLUID WATER

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain, size, color, etc.*
0	8	BROWN TOP SOIL
8	217	BROWN CLAY - TRACE SAND
217	345	BROWN CLAY & 1/8" GRAVEL
345	386	BROWN CLAY
386	784	BROWN CLAY & GRAVEL
784	805	BROWN CLAY
805	928	BROWN CLAY & GRAVEL
928	1000	BROWN GRITTY CLAY

TOTAL DEPTH OF BORING 1000 (Feet)

TOTAL DEPTH OF COMPLETED WELL 980 (Feet)

WELL OWNER

Name W T MOURAN

Mailing Address P.O. BOX 835

COALINGA CA 63210
CITY STATE ZIP

WELL LOCATION

Address JAYNE AVE BY PRISON

City COALINGA CA 63210

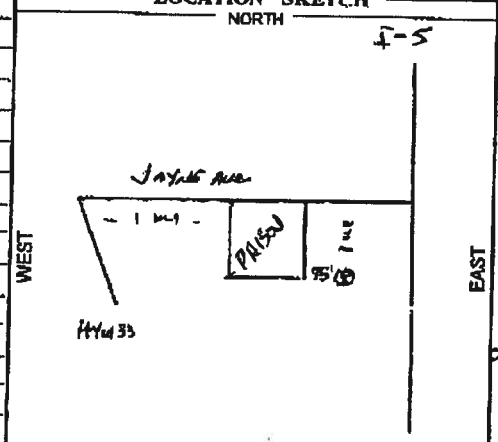
County FRESNO

APN Book 085 Page 030 Parcel 57

Township 21 S Range 16 E Section 3

Latitude DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH



Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

ACTIVITY (✓)

✓ NEW WELL

MODIFICATION/REPAIR
— Deepen
— Other (Specify)

— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY
— Domestic — Public
✓ Irrigation — Industrial

MONITORING —
TEST WELL —
CATHODIC PROTECTION —
HEAT EXCHANGE —
DIRECT PUSH —
INJECTION —
VAPOR EXTRACTION —
SPARGING —
REMEDIATION —
OTHER (SPECIFY) —

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER ? (Ft.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL (Ft.) & DATE MEASURED

ESTIMATED YIELD (GPM) & TEST TYPE

TEST LENGTH (Hrs.) TOTAL DRAWDOWN (Ft.)

May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	40	42			✓		STEEL	30	.250	
0	370	28	✓				STEEL	16	.312	
370	858	28		✓			STEEL	16	.312	.070 X 32
858	939	28	✓				STEEL	16	.312	
939	980	28		✓			STEEL	16	.312	.070 X 32

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	40	✓			
40	1000				

ATTACHMENTS (✓)

— Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Farm Pump and Irrigation
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

P.O. Box 1477 Shafter CA 93263
ADDRESS CITY STATE ZIP

Signed
WELL DRILLER/AUTHORIZED REPRESENTATIVE

07/13/06
DATE SIGNED

602148 C-57
C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM.

Coalinga Well Road Survey URS Corporation November 7, 2008						
URS Well ID	**DWR Well Name**	**NAD 27 Latitude**	**NAD 27 Longitude**	**NAD 83 Latitude**	**NAD 83 Longitude**	**Notes**
	20S16E26D	36.1656	120.2075	36.1656	120.2085	
	20S16E26N	36.1525	120.2086	36.1525	120.2096	*
	20S16E29N	36.1519	120.2622	36.1519	120.2632	
32	20S16E30L	36.1575	120.2733	36.1575	120.2743	Well in use - agriculture
	20S16E30N	36.1519	120.2819	36.1519	120.2829	
31	20S16E30N	36.1544	120.2819	36.1544	120.2829	Well in use - agriculture
34	20S16E30Q	36.1519	120.1706	36.1519	120.1716	Well in use (?) - agriculture
33	20S16E30R	36.1522	120.2656	36.1522	120.2666	Well abandoned - welded steel cover
	20S16E31N	36.1375	120.2817	36.1375	120.2827	
	20S16E31Q	36.1375	120.2711	36.1375	120.2721	*
36	20S16E32A	36.1506	120.2472	36.1506	120.2482	Well abandoned - No pump; welded steel cover; locked gate at Jayne Avenue
4 wells	20S16E32D	36.1500	120.2631	36.1500	120.2641	California Department of Fish and game Ecological Reserve (posted with barbed wire fence and locked gate); Wells appear to be abandoned (4)
	20S16E32D	36.1492	120.2625	36.1492	120.2635	
	20S16E32D	36.1481	120.2628	36.1481	120.2638	
	20S16E32D	36.1486	120.2619	36.1486	120.2629	
	20S16E32M	36.1411	120.2586	36.1411	120.2596	
	20S16E32N	36.1386	120.2628	36.1386	120.2638	
35	20S16E32N	36.1403	120.2622	36.1403	120.2632	Well head caved in, concrete pad destroyed

URS Well ID	DWR Well Name	NAD 27 Latitude	NAD 27 Longitude	NAD 83 Latitude	NAD 83 Longitude	Notes
	20S16E36J	36.1450	120.1772	36.1450	120.1782	
	20S16E36N	36.1381	120.1903	36.1381	120.1913	
	20S16E36P	36.1386	120.1858	36.1386	120.1868	
	20S16E36Q	36.1381	120.1839	36.1381	120.1849	
	21S16E01M	36.1272	120.1989	36.1272	120.1999	
	21S16E01N	36.1236	120.1967	36.1236	120.1977	
	21S16E01P	36.1236	120.1933	36.1236	120.1943	
	21S16E01P	36.1236	120.1933	36.1236	120.1943	
	21S16E01Q	36.1236	120.1886	36.1236	120.1896	
19	21S16E02N	36.1233	120.2167	36.1233	120.2177	Well abandoned - welded square steel plate
18	21S16E02N	36.1233	120.2164	36.1233	120.2174	Well abandoned - welded steel plug
	21S16E02Q	36.1233	120.2075	36.1233	120.2085	
	21S16E02R	36.1256	120.2022	36.1256	120.2032	
4	21S16E04E	36.1283	120.2511	36.1283	120.2521	Inside state prison complex - appears in use (?)
2	21S16E04N	36.1233	120.2528	36.1233	120.2538	Well abandoned - pump in place but no electrical hooked up
3	21S16E04N	36.1231	120.2522	36.1231	120.2532	Well abandoned - No pump; loose steel plate
1	21S16E04R	36.1233	120.2356	36.1233	120.2366	Well abandoned - pump in place but no electrical hooked up
	21S16E05N	36.1231	120.2967	36.1231	120.2977	
5	21S16E05P	36.1231	120.2619	36.1231	120.2629	Well in use - agriculture

URS Well ID	DWR Well Name	NAD 27 Latitude	NAD 27 Longitude	NAD 83 Latitude	NAD 83 Longitude	Notes
30	21S16E01M	36.1258	120.2889	36.1258	120.2899	Well may be abandoned or used sporadically
10	21S16E07E	36.1158	120.2892	36.1158	120.2902	Possible domestic supply well (may also be an abandoned ag well between buildings?)
11	21S16E07E	36.1158	120.2889	36.1158	120.2899	Well in use - agriculture
9	21S16E07N	36.1100	120.2892	36.1100	120.2902	Well abandoned - no pump; new well in use adjacent to the south - agriculture
	21S16E07N	36.1217	120.2686	36.1217	120.2696	
	21S16E08D	36.1214	120.2700	36.1214	120.2710	
	21S16E08D	36.1214	120.2683	36.1214	120.2693	
	21S16E08E	36.1192	120.2706	36.1192	120.2716	
	21S16E08F	36.1158	120.2664	36.1158	120.2674	
	21S16E08J	36.1119	120.2575	36.1119	120.2585	
	21S16E08M	36.1133	120.2706	36.1133	120.2716	
15	21S16E09L	36.1158	120.2442	36.1158	120.2432	Well in use - agriculture
14	21S16E09N	36.1089	120.2492	36.1089	120.2502	Well abandoned
	21S16E10G	36.1161	120.2217	36.1161	120.2227	
16	21S16E10M	36.1150	120.2331	36.1150	120.2341	Well abandoned
	21S16E10N	36.1117	120.2308	36.1117	120.2318	Wells are abandoned; one well is covered with a welded steel plate; other well still has pump but pipes and electrical wires are disconnected
20	21S16E10N	36.1089	120.2353	36.1089	120.2363	
	21S16E10P	36.1089	120.2286	36.1089	120.2296	One of these wells is gone with no visible evidence; the other well is in use - agriculture
21	21S16E10P	36.1086	120.2278	36.1086	120.2288	

URS Well ID	DWR Well Name	NAD 27 Latitude	NAD 27 Longitude	NAD 83 Latitude	NAD 83 Longitude	Notes
17	21S16E11E	36.1164	120.2169	36.1164	120.2179	Well is abandoned
	21S16E11G	36.1161	120.2068	36.1161	120.2078	
	21S16E11K	36.1158	120.2075	36.1158	120.2085	
	21S16E11K	36.1158	120.2078	36.1158	120.2088	
	21S16E12D	36.1228	120.1992	36.1228	120.2002	
	21S16E12E	36.1172	120.1989	36.1172	120.1999	
	21S16E12M	36.1147	120.1989	36.1147	120.1999	
27	21S16E14D	36.1006	120.2167	36.1006	120.2177	Well is abandoned - covered with a welded steel plate
	21S16E14E	36.1017	120.2169	36.1017	120.2179	Both wells appear to be in use (agriculture) and connected to the same irrigation filter system
26	21S16E14M	36.1011	120.2144	36.1011	120.2154	
25	21S16E14N	36.0944	120.2133	36.0944	120.2143	Well is abandoned - no pump, casing smashed
	21S16E15N	36.0942	120.2325	36.0942	120.2335	One of these wells is gone with no evidence; the other well is under reconstruction or recently abandoned
23	21S16E15N	36.0939	120.2311	36.0939	120.2321	
	21S16E15R	36.0944	120.2192	36.0944	120.2202	
13	21S16E16C	36.1083	120.2450	36.1083	120.2460	Well in use - agriculture
	21S16E16H	36.1036	120.2353	36.1036	120.2363	
	21S16E16H	36.1017	120.2392	36.1017	120.2402	
29	21S16E16J	36.0992	120.2356	36.0992	120.2366	Well abandoned - new well located approx 100 feet north with no pump installed yet
12	21S16E17B	36.1083	120.2603	36.1083	120.2613	Well in use - agriculture

URS Well ID	DWR Well Name	NAD 27 Latitude	NAD 27 Longitude	NAD 83 Latitude	NAD 83 Longitude	Notes
6	21S16E17F	36.1036	120.2658	36.1034	120.2668	Well in use - agriculture; reportedly 2,200 feet deep (owner)
7	21S16E18C	36.1081	120.2842	36.1081	120.2852	Abandoned - no pump
8	21S16E18D			36.1078	120.2697	Well in use - agriculture
22	21S16E21B	36.0939	120.2442	36.0939	120.2452	Well abandoned - pump still in place, no electrical hooked up
24	21S16E22B	36.0939	120.2261	36.0939	120.2271	Well in use - agriculture
28	21S16E22E	36.0903	120.2344	36.0903	120.2354	Well abandoned - pump in place but no pump motor
	21S16E22L	36.0833	120.2244	36.0833	120.2254	
	21S16E22P	36.0803	120.2306	36.0803	120.2316	
	21S16E22Q	36.0819	120.2228	36.0819	120.2238	
	21S16E22R	36.0800	120.2178	36.0800	120.2188	
	21S16E23F	36.0872	120.2117	36.0872	120.2127	
	Notes:	*No graph available.				

CITY OF COALINGA EXISTING WASTEWATER TREATMENT PLANT 2007 EFFLUENT CHARACTERISTICS

City of Coalinga WWTP Effluent Disposal

Water Recycling Requirements Order No. _Year 2007

	Effluent Disposal					
Month	City's Own Land	HCM Farm M. Gal	Nitrate (as N), lbs.	Nitrate (as N), mg/l	TKN, mg/l	TDS, mg/l
January	0	27.334	0	0	20	460
February	0	25.944	1,991	9.2	14	400
March	2.101	23.401	0	0	31	490
April	4.851	20.667	0	0	32	480
May	0.00	24.467	367	1.8	21	490
June	0.00	24.511	84	0.41	8.1	450
July	5.837	18.991	0	0	12	480
August	11.104	15.166	0	0	12	500
September	0.983	25.411	0	0	19.0	430
October	0	29.577	0	0	31	450
November	0	26.416	264	1.2	21	500
December	0	31.309	196	0.75	22	440

Total MG	24.876	293.194	2,902

Acre feet	76.35	899.84	8906.37