

SERVICE AGREEMENT

This Service Agreement ("Agreement") is dated June 20, 2023 and is between BSK Associates, a California corporation ("Contractor"), and the County of Fresno, a political subdivision of the State of California ("County").

Recitals

A. The Department of Public Works and Planning – Resources Division ("Department") is required by state and federal regulations to collect and analyze water, leachate and soil pore gas samples at disposal sites thus requiring specialized consultant services to provide specialized laboratory services in order to comply with the above regulations.

B. The County released Request for Quotation (RFQ) No. 23-011 for State Mandated Analytical Water Testing on October 11, 2022 and ended on November 07, 2022. Contractor's bid response satisfied the requirements of the Department.

C. The Contractor is to provide all labor, materials, equipment, taxes, transportation, shipping, etc., to perform analytical testing of water and leachate, and issue test results in the form of written and/or electronic reports of analyses. The following work is to be performed for one or more of the following landfills: American Avenue Disposal Site, Coalinga Disposal Site, Southeast Regional Disposal Site, Southeast Regional Disposal Site Domestic Wells (domestic wells down gradient of the site), Riverdale Disposal Site, and Del Rey Disposal Site.

The parties therefore agree as follows:

Article 1

Contractor's Services

1.1 **Scope of Services.** The Contractor shall perform all of the services provided in Exhibit A to this Agreement, titled "Scope of Services."

1.2 **Representation.** The Contractor represents that it is qualified, ready, willing, and able to perform all of the services provided in this Agreement.

1.3 **Compliance with Laws.** The Contractor shall, at its own cost, comply with all applicable federal, state, and local laws and regulations in the performance of its obligations

1 under this Agreement, including but not limited to workers compensation, labor, and
2 confidentiality laws and regulations.

3 **Article 2**

4 **County's Responsibilities**

5 2.1 The County shall perform all sample collections and provide the sample collection
6 schedule to the Contractor for pick-up.

7 2.2 The County shall:

8 (A) Compensate the Contractor as provided in this Agreement.

9 (B) Provide the Contractor copy of revised Waste Discharge Requirements (WDR's)
10 upon County receipt of WDR's from California Regional Water Quality Control Board
11 (RWQCB).

12 (C) Provide a "County Representative" who will represent the County and who will
13 work with the Contractor in carrying out the provisions of this Agreement. The County
14 Representative will be the County Director of the Department of Public Works and
15 Planning or his/her designee. The Contractor shall communicate and coordinate with
16 the County Representative who will provide the following services:

17 (1) Examine documents submitted to the County by the Contractor and timely
18 render decisions pertaining thereto.

19 (2) Provide communication between the Contractor and County officials and
20 commissions (including user Department).

21 (D) Give reasonably prompt consideration to all matters submitted by the Contractor
22 for approval to the end that there will be no substantial delays in the Contractor's
23 program of work. An approval, authorization or request to the Contractor given by the
24 County will only be binding upon the County under the terms of this Agreement if in
25 writing and signed on behalf of the County by the County Representative or a designee.
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1 **Article 3**

2 **Compensation, Invoices, and Payments**

3 3.1 The County agrees to pay, and the Contractor agrees to receive, compensation for
4 the performance of its services under this Agreement as described in Exhibit B to this
5 Agreement, titled "Compensation."

6 3.2 **Maximum Compensation.** The maximum compensation payable to the Contractor
7 under this Agreement is two hundred forty-six thousand three hundred thirty dollars
8 (\$246,330.00) for the entire term of the Agreement. The compensation payable to the
9 Contractor for each of the renewal periods shall be one hundred thirty thousand eight hundred
10 thirty dollars (\$130,830.00) for the fourth year and two hundred seven thousand four hundred
11 eighty dollars (\$207,480.00) for the fifth year. Maximum compensation under the terms of this
12 Agreement shall not exceed four hundred thirty-eight thousand four hundred eighty dollars
13 (\$438,480.00). The Contractor acknowledges that the County is a local government entity and
14 does so with notice that the County's powers are limited by the California Constitution and by
15 State law, and with notice that the Contractor may receive compensation under this Agreement
16 only for services performed according to the terms of this Agreement and while this Agreement
17 is in effect, and subject to the maximum amount payable under this section. The Contractor
18 further acknowledges that County employees have no authority to pay the Contractor except as
19 expressly provided in this Agreement.

20 3.3 **Invoices.** The Contractor shall submit monthly invoices to Public Works and
21 Planning – Resources Division via email PWPBusinessOffice@fresnocountyca.gov or send
22 invoice to the following address below. Each invoice shall specifically identify this Agreement
23 number, the Disposal Site and Panel number to which the work pertains and shall clearly identify
24 any and all charges for tasks authorized as Extra Services.

25 Public Works and Planning - Resources Division
26 Attention: Landfill Operations Manager
27 2220 Tulare St, 6th Floor
28 Fresno, CA 93721-2106

1 PWPBusinessOffice@fresnocountyca.gov

2 The Contractor shall submit each invoice within 60 days after the month in which the Contractor
3 performs services and in any case within 60 days after the end of the term or termination of this
4 Agreement

5 3.4 **Payment.** The County shall pay each correctly completed and timely submitted
6 invoice within 45 days after receipt. The County shall remit any payment to the Contractor's
7 address specified in the invoice.

8 (A) Upon receipt of a proper invoice, the County Department of Public Works and
9 Planning will take a maximum of ten (10) working days to review, approve, and submit to
10 County Auditor-Controller/Treasurer-Tax Collector. Unsatisfactory or inaccurate invoices
11 may be returned to the Contractor for correction and resubmittal. Payment will be issued
12 to Contractor within forty-five (45) calendar days of the date the Auditor-
13 Controller/Treasurer-Tax Collector receives the approved invoice.

14 (B) An unresolved dispute over a possible error or omission may cause payment of
15 Contractor fees in the dispute amount to be withheld by the County.

16 (C) Concurrently with the invoices, the Contractor shall provide its certification
17 acceptable to the County, and shall provide, on County request, copies of issued
18 checks, receipts, or other County pre-approved documentation, that complete payment
19 has been made to all subcontractors as provided herein for all previous invoices paid by
20 the County.

21 (D) Final invoice shall be submitted to the County no later than sixty (60) days after
22 this Agreement is completed or renewed.

23 (E) In the event the County reduces the Scope of the project, the Contractor will be
24 compensated on a pro rata basis for actual work completed and accepted by the County
25 in accordance with the term of this Agreement.

26 3.5 **Incidental Expenses.** The Contractor is solely responsible for all of its costs and
27 expenses that are not specified as payable by the County under this Agreement.

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Article 4

Term of Agreement

4.1 **Term.** This Agreement is effective on June 20, 2023 and terminates on June 20, 2026, except as provided in section 4.2, "Extension," or Article 6, "Termination and Suspension," below.

4.2 **Extension.** The term of this Agreement may be extended for no more than two, one-year periods only upon written approval of both parties at least 30 days before the first day of the next one-year extension period. The Director of Public Works and Planning or his or her designee is authorized to sign the written approval on behalf of the County based on the Contractor's satisfactory performance. The extension of this Agreement by the County is not a waiver or compromise of any default or breach of this Agreement by the Contractor existing at the time of the extension whether or not known to the County.

Article 5

Notices

5.1 **Contact Information.** The persons and their addresses having authority to give and receive notices provided for or permitted under this Agreement include the following:

For the County:
Landfill Operations Manager
County of Fresno
2220 Tulare St., 6th Floor
Fresno, CA 93721-2106
Email: landfill@fresnocountyca.gov
Phone: (559) 600-4259

For the Contractor:
Belinda Vega, Chief Operations Officer, Laboratory Division
BSK Associates
Engineers & Laboratories
687 N. Laverne Ave
Fresno, CA 93727
bvega@bskassociates.com
(559) 497-2888 x165

5.2 **Change of Contact Information.** Either party may change the information in section 5.1 by giving notice as provided in section 5.3.

1 (A) Modify the services provided by the Contractor under this Agreement; or

2 (B) Terminate this Agreement.

3 **6.2 Termination for Breach.**

4 (A) Upon determining that a breach (as defined in paragraph (C) below) has
5 occurred, the County may give written notice of the breach to the Contractor. The written
6 notice may suspend performance under this Agreement and must provide at least 30
7 days for the Contractor to cure the breach.

8 (B) If the Contractor fails to cure the breach to the County's satisfaction within the
9 time stated in the written notice, the County may terminate this Agreement immediately.

10 (C) For purposes of this section, a breach occurs when, in the determination of the
11 County, the Contractor has:

12 (1) Obtained or used funds illegally or improperly;

13 (2) Failed to comply with any part of this Agreement;

14 (3) Submitted a substantially incorrect or incomplete report to the County; or

15 (4) Improperly performed any of its obligations under this Agreement.

16 **6.3 Termination without Cause.** In circumstances other than those set forth above, the
17 County may terminate this Agreement by giving at least 30 days advance written notice to the
18 Contractor.

19 **6.4 No Penalty or Further Obligation.** Any termination of this Agreement by the County
20 under this Article 6 is without penalty to or further obligation of the County.

21 **6.5 County's Rights upon Termination.** Upon termination for breach under this Article
22 6, the County may demand repayment by the Contractor of any monies disbursed to the
23 Contractor under this Agreement that, in the County's sole judgment, were not expended in
24 compliance with this Agreement. The Contractor shall promptly refund all such monies upon
25 demand. This section survives the termination of this Agreement.

1 **Article 7**

2 **Independent Contractor**

3 7.1 **Status.** In performing under this Agreement, the Contractor, including its officers,
4 agents, employees, and volunteers, is at all times acting and performing as an independent
5 contractor, in an independent capacity, and not as an officer, agent, servant, employee, joint
6 venturer, partner, or associate of the County.

7 7.2 **Verifying Performance.** The County has no right to control, supervise, or direct the
8 manner or method of the Contractor's performance under this Agreement, but the County may
9 verify that the Contractor is performing according to the terms of this Agreement.

10 7.3 **Benefits.** Because of its status as an independent contractor, the Contractor has no
11 right to employment rights or benefits available to County employees. The Contractor is solely
12 responsible for providing to its own employees all employee benefits required by law. The
13 Contractor shall save the County harmless from all matters relating to the payment of
14 Contractor's employees, including compliance with Social Security withholding and all related
15 regulations.

16 7.4 **Services to Others.** The parties acknowledge that, during the term of this
17 Agreement, the Contractor may provide services to others unrelated to the County.

18 **Article 8**

19 **Indemnity and Defense**

20 8.1 **Indemnity.** The Contractor shall indemnify and hold harmless and defend the
21 County (including its officers, agents, employees, and volunteers) against all claims, demands,
22 injuries, damages, costs, expenses (including attorney fees and costs), fines, penalties, and
23 liabilities of any kind to the County, the Contractor, or any third party that arise from or relate to
24 the performance or failure to perform by the Contractor (or any of its officers, agents,
25 subcontractors, or employees) under this Agreement. The County may conduct or participate in
26 its own defense without affecting the Contractor's obligation to indemnify and hold harmless or
27 defend the County.

28 8.2 **Survival.** This Article 8 survives the termination of this Agreement.

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Article 9

Insurance

9.1 The Contractor shall comply with all the insurance requirements in Exhibit D to this Agreement.

Article 10

Inspections, Audits, and Public Records

10.1 **Inspection of Documents.** The Contractor shall make available to the County, and the County may examine at any time during business hours and as often as the County deems necessary, all of the Contractor's records and data with respect to the matters covered by this Agreement, excluding attorney-client privileged communications. The Contractor shall, upon request by the County, permit the County to audit and inspect all of such records and data to ensure the Contractor's compliance with the terms of this Agreement.

10.2 **State Audit Requirements.** If the compensation to be paid by the County under this Agreement exceeds \$10,000, the Contractor is subject to the examination and audit of the California State Auditor, as provided in Government Code section 8546.7, for a period of three years after final payment under this Agreement. This section survives the termination of this Agreement.

10.3 **Public Records.** The County is not limited in any manner with respect to its public disclosure of this Agreement or any record or data that the Contractor may provide to the County. The County's public disclosure of this Agreement or any record or data that the Contractor may provide to the County may include but is not limited to the following:

(A) The County may voluntarily, or upon request by any member of the public or governmental agency, disclose this Agreement to the public or such governmental agency.

(B) The County may voluntarily, or upon request by any member of the public or governmental agency, disclose to the public or such governmental agency any record or data that the Contractor may provide to the County, unless such disclosure is prohibited by court order.

1 (C) This Agreement, and any record or data that the Contractor may provide to the
2 County, is subject to public disclosure under the Ralph M. Brown Act (California
3 Government Code, Title 5, Division 2, Part 1, Chapter 9, beginning with section 54950).

4 (D) This Agreement, and any record or data that the Contractor may provide to the
5 County, is subject to public disclosure as a public record under the California Public
6 Records Act (California Government Code, Title 1, Division 7, Chapter 3.5, beginning
7 with section 6250) ("CPRA").

8 (E) This Agreement, and any record or data that the Contractor may provide to the
9 County, is subject to public disclosure as information concerning the conduct of the
10 people's business of the State of California under California Constitution, Article 1,
11 section 3, subdivision (b).

12 (F) Any marking of confidentiality or restricted access upon or otherwise made with
13 respect to any record or data that the Contractor may provide to the County shall be
14 disregarded and have no effect on the County's right or duty to disclose to the public or
15 governmental agency any such record or data.

16 **10.4 Public Records Act Requests.** If the County receives a written or oral request
17 under the CPRA to publicly disclose any record that is in the Contractor's possession or control,
18 and which the County has a right, under any provision of this Agreement or applicable law, to
19 possess or control, then the County may demand, in writing, that the Contractor deliver to the
20 County, for purposes of public disclosure, the requested records that may be in the possession
21 or control of the Contractor. Within five business days after the County's demand, the
22 Contractor shall (a) deliver to the County all of the requested records that are in the Contractor's
23 possession or control, together with a written statement that the Contractor, after conducting a
24 diligent search, has produced all requested records that are in the Contractor's possession or
25 control, or (b) provide to the County a written statement that the Contractor, after conducting a
26 diligent search, does not possess or control any of the requested records. The Contractor shall
27 cooperate with the County with respect to any County demand for such records. If the
28 Contractor wishes to assert that any specific record or data is exempt from disclosure under the

1 CPRA or other applicable law, it must deliver the record or data to the County and assert the
2 exemption by citation to specific legal authority within the written statement that it provides to
3 the County under this section. The Contractor's assertion of any exemption from disclosure is
4 not binding on the County, but the County will give at least 10 days' advance written notice to
5 the Contractor before disclosing any record subject to the Contractor's assertion of exemption
6 from disclosure. The Contractor shall indemnify the County for any court-ordered award of costs
7 or attorney's fees under the CPRA that results from the Contractor's delay, claim of exemption,
8 failure to produce any such records, or failure to cooperate with the County with respect to any
9 County demand for any such records.

10 **Article 11**

11 **Disclosure of Self-Dealing Transactions**

12 11.1 **Applicability.** This Article 11 applies if the Contractor is operating as a corporation,
13 or changes its status to operate as a corporation.

14 11.2 **Duty to Disclose.** If any member of the Contractor's board of directors is party to a
15 self-dealing transaction, he or she shall disclose the transaction by completing and signing a
16 "Self-Dealing Transaction Disclosure Form" (Exhibit C to this Agreement) and submitting it to
17 the County before commencing the transaction or immediately after.

18 11.3 **Definition.** "Self-dealing transaction" means a transaction to which the Contractor is
19 a party and in which one or more of its directors, as an individual, has a material financial
20 interest.

21 **Article 12**

22 **General Terms**

23 12.1 **Modification.** Except as provided in Article 6, "Termination and Suspension," this
24 Agreement may not be modified, and no waiver is effective, except by written agreement signed
25 by both parties. The Contractor acknowledges that County employees have no authority to
26 modify this Agreement except as expressly provided in this Agreement.

27 12.2 **Non-Assignment.** Neither party may assign its rights or delegate its obligations
28 under this Agreement without the prior written consent of the other party.

1 12.3 **Governing Law.** The laws of the State of California govern all matters arising from
2 or related to this Agreement.

3 12.4 **Jurisdiction and Venue.** This Agreement is signed and performed in Fresno
4 County, California. Contractor consents to California jurisdiction for actions arising from or
5 related to this Agreement, and, subject to the Government Claims Act, all such actions must be
6 brought and maintained in Fresno County.

7 12.5 **Construction.** The final form of this Agreement is the result of the parties' combined
8 efforts. If anything in this Agreement is found by a court of competent jurisdiction to be
9 ambiguous, that ambiguity shall not be resolved by construing the terms of this Agreement
10 against either party.

11 12.6 **Days.** Unless otherwise specified, "days" means calendar days.

12 12.7 **Headings.** The headings and section titles in this Agreement are for convenience
13 only and are not part of this Agreement.

14 12.8 **Severability.** If anything in this Agreement is found by a court of competent
15 jurisdiction to be unlawful or otherwise unenforceable, the balance of this Agreement remains in
16 effect, and the parties shall make best efforts to replace the unlawful or unenforceable part of
17 this Agreement with lawful and enforceable terms intended to accomplish the parties' original
18 intent.

19 12.9 **Nondiscrimination.** During the performance of this Agreement, the Contractor shall
20 not unlawfully discriminate against any employee or applicant for employment, or recipient of
21 services, because of race, religious creed, color, national origin, ancestry, physical disability,
22 mental disability, medical condition, genetic information, marital status, sex, gender, gender
23 identity, gender expression, age, sexual orientation, military status or veteran status pursuant to
24 all applicable State of California and federal statutes and regulation.

25 12.10 **No Waiver.** Payment, waiver, or discharge by the County of any liability or obligation
26 of the Contractor under this Agreement on any one or more occasions is not a waiver of
27 performance of any continuing or other obligation of the Contractor and does not prohibit
28 enforcement by the County of any obligation on any other occasion.

1 12.11 **Entire Agreement.** This Agreement, including its exhibits, is the entire agreement
2 between the Contractor and the County with respect to the subject matter of this Agreement,
3 and it supersedes all previous negotiations, proposals, commitments, writings, advertisements,
4 publications, and understandings of any nature unless those things are expressly included in
5 this Agreement. If there is any inconsistency between the terms of this Agreement without its
6 exhibits and the terms of the exhibits, then the inconsistency will be resolved by giving
7 precedence first to the terms of this Agreement without its exhibits, and then to the terms of the
8 exhibits.

9 12.12 **No Third-Party Beneficiaries.** This Agreement does not and is not intended to
10 create any rights or obligations for any person or entity except for the parties.

11 12.13 **Authorized Signature.** The Contractor represents and warrants to the County that:

12 (A) The Contractor is duly authorized and empowered to sign and perform its
13 obligations under this Agreement.

14 (B) The individual signing this Agreement on behalf of the Contractor is duly
15 authorized to do so and his or her signature on this Agreement legally binds the
16 Contractor to the terms of this Agreement.

17 12.14 **Electronic Signatures.** The parties agree that this Agreement may be executed by
18 electronic signature as provided in this section.

19 (A) An "electronic signature" means any symbol or process intended by an individual
20 signing this Agreement to represent their signature, including but not limited to (1) a
21 digital signature; (2) a faxed version of an original handwritten signature; or (3) an
22 electronically scanned and transmitted (for example by PDF document) version of an
23 original handwritten signature.

24 (B) Each electronic signature affixed or attached to this Agreement (1) is deemed
25 equivalent to a valid original handwritten signature of the person signing this Agreement
26 for all purposes, including but not limited to evidentiary proof in any administrative or
27 judicial proceeding, and (2) has the same force and effect as the valid original
28 handwritten signature of that person.

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(C) The provisions of this section satisfy the requirements of Civil Code section 1633.5, subdivision (b), in the Uniform Electronic Transaction Act (Civil Code, Division 3, Part 2, Title 2.5, beginning with section 1633.1).

(D) Each party using a digital signature represents that it has undertaken and satisfied the requirements of Government Code section 16.5, subdivision (a), paragraphs (1) through (5), and agrees that each other party may rely upon that representation.

(E) This Agreement is not conditioned upon the parties conducting the transactions under it by electronic means and either party may sign this Agreement with an original handwritten signature.

12.15 **Counterparts.** This Agreement may be signed in counterparts, each of which is an original, and all of which together constitute this Agreement.

[SIGNATURE PAGE FOLLOWS]

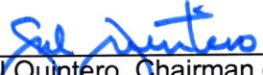
1 The parties are signing this Agreement on the date stated in the introductory clause.

2 BSK Associates

COUNTY OF FRESNO


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5 _____
6 Belinda Vega, Chief Operations Officer,
7 Laboratory Division

8 687 N Laverne Ave
9 Fresno, CA 93727



Sal Quintero, Chairman of the Board of
Supervisors of the County of Fresno

Attest:
Bernice E. Seidel
Clerk of the Board of Supervisors
County of Fresno, State of California

By: 

Deputy

11 For accounting use only:

12 Org No.: 9015 9020 9026 9028
13 Account No.: 7295 7295 7295 7295
14 Fund No.: 0701 0720 0700 0710
15 Subclass No.: 15001 15000 15000 15000

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Exhibit A

Scope of Services

The Contractor agrees to perform analytical testing of water, leachate and soil pores gas samples obtained by County staff. These samples are collected at the following disposal sites owned and maintained by the County: American Avenue Disposal Site, Coalinga Disposal Site, Southeast Regional Disposal Site, Southeast Regional Disposal Site Domestic Wells (domestic wells down gradient of the site), Riverdale Disposal Site, Del Rey Disposal Site.

The Contractor shall provide all labor, material, equipment, taxes, transportation, shipping, etc., to perform analytical testing of samples and issue test results in the form of written and/or electronic reports of analyses.

Delivery of Samples

Delivery of samples to the Contractor's laboratory shall be at the Contractor's expense by 4:00 PM of each scheduled sample collection day. Contractor shall provide sample containers with stabilizer reagents, as appropriate, and container labels, cooler boxes, cold packs (blue ice), as needed, at no additional charge. Contractor shall be prepared to handle samples that may have a limited hold time and perform required analyses within the holding time.

County staff will provide the Contractor's laboratory with the sample collection schedule. Contractor's laboratory is to immediately notify County staff if pick-up of samples cannot be performed by 4:00 PM of each scheduled sample collection day. In the event the samples are not picked-up by 4:00 PM, the County shall reserve the right to charge the Contractor for staff wait time in excess of County staffs' normal work hours. If the Contractor fails to pick-up the sample at the agreed upon time and the delay results in a missed hold time for any sample, the Contractor will pay all the County costs associated with resampling including, but not limited to, County staff time and all materials. Samples shall be picked-up at the following address: 2220 Tulare Street, 9th Floor, Fresno, CA 93721.

Laboratory Analysis

All laboratory analysis shall be performed in accordance with the California Code of Regulations, Title 27, Chapter 3, Subchapter 3, Water Monitoring, and current Monitoring and

Exhibit A

1 Reporting Programs of the WDRs for each disposal site. The County will send the Contractor's
2 laboratory all revisions/updates to the WDRs received from the RWQCB – Central Valley
3 Region for the American Avenue, Coalinga, and Southeast Regional Disposal Sites. The
4 Contractor shall comply with all revisions/updates to the WDRs.

5 Should sample analyses not be completed due to laboratory error (i.e., missed holding
6 time, broken or malfunctioning equipment, subcontractor error, etc.), the Contractor will pay all
7 County costs associated with resampling including, but not limited to, County staff time and all
8 materials required to collect the affected sample(s). Contractor agrees to perform analysis for
9 replacement sample(s) at no cost to the County. All no-cost services shall be denoted on the
10 invoice.

11 Should the County be unable to perform sample collection based on Contractor's
12 inability to supply necessary materials (i.e., sample containers, custody forms, cooler boxes,
13 and/or cold pack, travel blanks, etc.) upon reasonable notice, Contractor agrees to pay all
14 analytical costs County incurs for services provided by a third-party laboratory until such time as
15 the required materials are available from the Contractor. Payment for said third-party laboratory
16 shall be made directly from the Contractor to the third-party laboratory.

17 Analysis Reports

18 The Contractor shall deliver digital final/draft analysis reports within fifteen (15) working
19 days of receiving samples from the County. Working days shall be defined as Monday through
20 Friday, excluding legal holidays observed by the County specified in Exhibit G. A draft digital
21 report is acceptable within the fifteen (15) daytime limit. However, follow-up original final
22 analysis reports are required within thirty (30) working days of delivery of samples to the
23 Contractor. In the event the County does not receive the final/draft analysis reports within the
24 fifteen (15) working days, or final reports within 30 (thirty) working days if a draft report was
25 issued within the fifteen (15) working day period, Contractor agrees to pay all analytical costs
26 related to the samples on the affected chain of custody, and the performance of such work shall
27 be at no cost to the County and shall be reflected on the appropriate invoice. All no-cost
28 services shall be denoted on the invoice.

Exhibit A

1 Draft and final reports shall include the appropriate analyses results and a copy of the
2 submitted chain of custody. Report title pages shall clearly identify the disposal site where the
3 samples originated. Final reports shall include invoices. Services on the invoicing shall be
4 identified as Basic Services, and/or Emergency (Extra) Services if such services (Extra) are
5 performed.

6 All revised reports sent by the Contractor's laboratory must be accompanied by a cover
7 letter explaining why the report was revised and must include all the information that was
8 changed as result of the revision.

9 Coordinate with County's Contracted Consultant for Electronic Delivery of Laboratory 10 Analytical Data

11 The Contractor's laboratory is required to coordinate with the County's contracted
12 consultant the electronic delivery of laboratory analytical data for the American Avenue,
13 Coalinga, and Southeast Regional Disposal Sites. The data shall be delivered to the consultant
14 in Electronic Deliverable Format (EDF) compatible with the GeoTracker system per the
15 guidelines detailed in Title 23 of the California Code of Regulations (CCR) – Waters, Division 3:
16 SWRCB, Chapter 30: Electronic Submittals of Information, Article 2, and in Title 27 of the CCR
17 – Environmental Protection, Division 3: Electronic Submittal of Information, Subdivisions 1 and
18 2.

19 Extra Services

20 An extra service is any service that is not covered under basic services. Extra services
21 shall not be undertaken by the Contractor without the advance written authorization of the
22 County Representative. The Contract and County shall expressly confirm in writing the
23 authorization and maximum cost for any such services before the Contractor initiates any work
24 thereon. Payment for services performed without prior written authorization will not be made.

25 Payment for Extra Services will be invoiced at the rate indicated in the Fee Schedule in Exhibit

26 B.

27 Contractor shall comply with analyses requirements and test methods for Fresno County
28 disposal sites referenced in Exhibit E. Contractor shall analyze and adhere to requirements of

Exhibit A

1 all relevant regulatory codes, including, but not limited to, all applicable provisions of Titles 14,
2 22, 23, and 27 of the California Code of Regulations; and all applicable site specific WDRs,
3 Monitoring and Reporting Programs, and Standard Provisions and Reporting Requirements;
4 including any subsequent updates or modifications thereto, for each Fresno County disposal
5 site. Contractor shall read and understand Monitoring and Reporting Program excerpts from the
6 WDRs of the American Avenue, Coalinga, and Southeast Regional Disposal sites referenced in
7 Exhibit F.

8 The Contractor shall retain such other subcontractor as Contractor required to assist in
9 completing the work. Should Contractor retain such persons, compensation to be paid to
10 Contractor under Exhibit B below shall not be increased.

11 The Contractor's services shall be performed as expeditiously as is consistent with
12 professional skill and the orderly progress of the work.

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Exhibit B

Compensation

The Contractor will be compensated for performance of its services under this Agreement as provided in this Exhibit B. The Contractor is not entitled to any compensation except as expressly provided in this Exhibit B.

County agrees to pay Contractor and Contractor agrees to receive compensation as follows:

A. Total Fee:

1) The total fee includes both Basic Fee and Extra Services. Basic Fee services will be subject to an annual maximum compensation amount specified in Exhibit B, Section B. The cumulative amount payable under this Agreement for Extra Services provided under Exhibit B, Section C, however, will not be subject to an annual maximum. The Agreement allows payment for performance of Extra Services in such amount as is required during the contract year, so long as the maximum cumulative amount of the Total Fee is not exceeded.

2) The amount of the Total Fee for the original three-year term of the Agreement shall be \$246,330.00; and it is further hereby provided that if the Agreement is renewed, then the maximum cumulative amount of the Total Fee, which includes both the Basic Fee and Extra Services allocations, shall be increased as provided below.

B. Basic Fee:

1) The Basic Fee for the Basic Services required below, shall be invoiced at the rates shown below and shall be limited to a maximum of \$57,750.00 annually for the first through the fourth year of the Agreement. The Basic Fee for the Basic Services for the fifth year shall be limited to a maximum of \$134,400.00.

<u>Site/Budget</u>	<u>Maximum Annual Cost</u>
	<u>General Schedule</u>
American Avenue Disposal Site/9026	\$34,073.00
Coalinga Disposal Site/9028	\$5,198.00
Southeast Regional Disposal Site/9020	\$12,705.00
Del Rey Disposal Site/9015	\$2,887.00

Exhibit B

1	Riverdale Disposal Site/9015	\$2,887.00
2	Total Basic Fee	\$57,750.00

3

4	<u>Site/Budget</u>	<u>Maximum Annual Cost</u>
5		<u>Year 5 and 5-Year Constituent</u>
6		<u>of Concern Schedule</u>

7	American Avenue Disposal Site/9026	\$83,328.00
8	Coalinga Disposal Site/9028	\$10,752.00
9	Southeast Regional Disposal Site/9020	\$26,880.00
10	Del Rey Disposal Site/9015	\$6,720.00
11	Riverdale Disposal Site/9015	\$6,720.00
12	Total Year 5 and 5-Year COC	\$134,400.00

13 2) The rates listed herein are to remain in effect for the duration of this Agreement, and
14 the total Basic Fee may not be increased except upon written Amendment to this Agreement.

15 3) Upon written agreement and authorization by both County and Contractor, the above
16 amounts may be redistributed within the limits of the Total Basic Fee with the approval of the
17 Resources Manager.

18 **C. Extra Services:**

19 1) A maximum cumulative allocation of \$73,080.00 to pay for authorized Extra
20 Services is provided herein by this Agreement. Payment of Extra Services in excess of
21 \$73,080.00 is prohibited except upon written Amendment to this Agreement pursuant to the
22 provisions specified herein.

23	<u>Site/Budget</u>	<u>Maximum Annual Cost</u>
24		<u>Extra Services</u>
25	American Avenue Disposal Site/9026	\$54,810.00
26	Coalinga Disposal Site/9028	\$7,308.00
27	Southeast Regional Disposal Site/9020	\$10,962.00
28	Total Extra Services Fee	\$73,080.00

Exhibit B

1 2) Upon written agreement and authorization by both County and Contractor, the
2 above amounts may be redistributed within the limits of the Total Extra Services with the
3 approval of the Resources Manager.

4 3) The Contractor shall submit a request for authorization to perform Extra Services
5 and an appropriate fee schedule for said Extra Services. The Contractor shall not undertake any
6 Extra Services without the advance written authorization of the County Representative. The
7 Contractor and the County shall expressly confirm in writing the authorization and maximum
8 cost for any such Extra Services before the Contractor is compensated for any work thereon.

9 3) Payment for Extra Services will be at the identical cost rates set forth in Exhibit B,
10 Section C of this Agreement.

11 4) The following are Contractor services which are considered as not included
12 herein but may be required and thus consider Extra Services.

13 (a) Providing unforeseen, extraordinary, or unique services or items that are not
14 covered nor ordinarily included in the Basic Fee, but which have been
15 specifically authorized by the County Representative. Making changes to
16 documents, which are ordered by the County subsequent to County approval
17 thereof (excludes changes to documents resulting from comments by
18 regulatory agencies).

19 5) In the event the County Representative expressly authorized Extra Services,
20 Contractor shall keep complete records showing the hours and description of activities worked
21 by each person who works on the project and all cost and charges applicable to the Extra
22 Services work authorized. Should there be a claim for Extra Services, the Contractor hereby
23 acknowledges and agrees that he shall identify the activity, performer of the activity, reason for
24 the activity, and County official requesting the activity or the claim will be denied. Contractor
25 shall be responsible for all subcontractors keeping similar records. The Contractor shall not stop
26 the work, including the work in other areas unrelated to the Extra Services request or claim,
27 unless it can be shown the project work cannot proceed while a claim or request for Extra
28 Services is being evaluated.

Exhibit B

1 6) Contractor shall submit separate invoices for Extra Services, accompanied by
2 copies of invoices for work performed by any approved subcontractors and cost for approved
3 incidentals.

4 7) In no event shall services performed under this Agreement exceed the maximum
5 \$438,480.00 over the potential five-year term of this Agreement, comprised of Basic Fee and
6 Extra Services. It is understood that all expenses incidental to Contractor's performance of
7 services under this Agreement shall be borne by Contractor.

Fee Schedule

ANALYTICAL TESTING SERVICES GENERAL SCHEDULE

10 The testing of samples will be requested on an as needed basis. The number of
11 samples to be submitted with each chain of custody will vary (estimated annual quantities are
12 indicated).

DIGITAL AMOUNT

14 PANEL 1 \$75.00 per panel times 140 samples per year = Digital \$10,500.00
15 Surrogates for Metallic Constituents

17 PANEL 2 \$60.00 per panel times 140 samples per year = Digital \$8,400.00
18 Miscellaneous Minerals

20 PANEL 3 \$250.00 per panel times 140 samples per year = Digital \$35,000.00
21 Volatile Organics (8260B), 1,2,3-Trichloropropane (TCP, SRL-
22 524M-TCP)

23 **ESTIMATED TOTAL ANNUAL COST AT YEAR 1-4:** **Digital \$53,900.00**

ANALYTICAL TESTING SERVICES

YEAR 5 AND 5-YEAR CONSTITUENT OF CONCERN SCHEDULE

Exhibit B

1 The testing of samples will be requested on an as needed basis. The number of
2 samples to be submitted with each chain of custody will vary (estimated quantities are
3 indicated).

DIGITAL AMOUNT

4
5 PANEL 1 \$75.00 per panel times 140 samples = Digital \$10,500.00

6 Surrogates for Metallic Constituents
7

8 PANEL 2 \$60.00 per panel times 140 samples = Digital \$8,400.00

9 Miscellaneous Minerals
10

11 PANEL 3 \$250.00 per panel times 70 samples per year = Digital \$17,500.00

12 Volatile Organics (8260B), 1,2,3-Trichloropropane (TCP, SRL-
13 524M-TCP)

14 PANEL 4 \$250.00 per panel times 70 samples = Digital \$17,500.00

15 Volatile Organics (EPA 8260B, extended list), 1,2,3-
16 Trichloropropane (TCP, SRL-524M-TCP)

17
18 PANEL 5 \$275.00 per panel times 70 samples = Digital \$19,250.00

19 Semi volatile Organics (EPA 8270D)
20

21 PANEL 6 \$305.00 per panel times 70 samples = Digital \$21,350.00

22 Inorganics (Dissolved Metals)
23

24 PANEL 7 \$195.00 per panel times 70 samples = Digital \$13,650.00

25 Organophosphorus Compounds (EPA 8141BB)
26

27 PANEL 8 \$290.00 per panel times 70 samples = Digital \$20,300.00

28 Chlorinated Herbicides (EPA 8151AA)

Exhibit B

1 PANEL 9 \$30.00 per panel times 70 samples = Digital \$2,100.00
2 Total Organic Carbon (TOC)

3
4 **ESTIMATED ANNUAL COST for Panel 1, 2, 3, 4, 5, 6, 7, 8, 9** Digital \$130,550.00
5 **AT YEAR 5 AND 5-YEAR COC:**

ANALYTICAL TESTING SERVICES

SURFACE WATER SCHEDULE

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9 The testing of water samples will be requested on an as needed basis. The number of
10 samples to be submitted with each chain of custody will vary (estimated quantities are
11 indicated).

DIGITAL AMOUNT

12
13 PANEL 1 \$75.00 per panel times 10 samples per year = Digital \$750.00
14 Surrogates for Metallic Constituents

15
16 PANEL 2 \$60.00 per panel times 10 samples per year = Digital \$600.00
17 Miscellaneous Minerals

18
19 PANEL 3 \$250.00 per panel times 10 samples per year = Digital \$2,500.00
20 Volatile Organics (EPA 8260B)

21 **ESTIMATED TOTAL ANNUAL COST YEAR 1-5:** Digital \$3,850.00
22

EXTRA SERVICES

23
24 Testing services may be required outside of normal business hours (i.e., weekends,
25 holidays, after hours), in addition to emergency turnaround times.

26
27 24-hour turnaround time surcharge (Monday-Friday) = Cost + 200%
28

Exhibit B

1	48-hour turnaround time surcharge (Monday-Friday) =	<u>Cost + 100%</u>
2		
3	Weekend surcharge =	<u>Cost + 300%</u>
4		
5	Holiday surcharge =	<u>Cost + 300%</u>
6		
7	24-hour notice for weekend or holiday services surcharge =	<u>TBD at time of County request</u>
8		
9	ESTIMATED TOTAL MAXIMUM ANNUAL COST:	<u>\$73,080.00</u>

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D. Compensation Records

1) The Contractor shall keep complete records showing the hours and description of activities performed by each person who works on the project and all associated costs or charges applicable to work covered by the Basic Fee and approved Extra Services. The Contractor will be responsible for all sub-contractors keeping similar records. The Contractor shall maintain all such records for a period of three (3) years following final payment under this Agreement consistent with the provisions of Article 10.

Exhibit C

Self-Dealing Transaction Disclosure Form

In order to conduct business with the County of Fresno ("County"), members of a contractor's board of directors ("County Contractor"), must disclose any self-dealing transactions that they are a party to while providing goods, performing services, or both for the County. A self-dealing transaction is defined below:

"A self-dealing transaction means a transaction to which the corporation is a party and in which one or more of its directors has a material financial interest."

The definition above will be used for purposes of completing this disclosure form.

Instructions

- (1) Enter board member's name, job title (if applicable), and date this disclosure is being made.
- (2) Enter the board member's company/agency name and address.
- (3) Describe in detail the nature of the self-dealing transaction that is being disclosed to the County. At a minimum, include a description of the following:
 - a. The name of the agency/company with which the corporation has the transaction; and
 - b. The nature of the material financial interest in the Corporation's transaction that the board member has.
- (4) Describe in detail why the self-dealing transaction is appropriate based on applicable provisions of the Corporations Code.

The form must be signed by the board member that is involved in the self-dealing transaction described in Sections (3) and (4).

Exhibit C

(1) Company Board Member Information:			
Name:		Date:	
Job Title:			
(2) Company/Agency Name and Address:			
(3) Disclosure (Please describe the nature of the self-dealing transaction you are a party to)			
(4) Explain why this self-dealing transaction is consistent with the requirements of Corporations Code § 5233 (a)			
(5) Authorized Signature			
Signature:		Date:	

Exhibit D

Insurance Requirements

1. Required Policies

Without limiting the County's right to obtain indemnification from the Contractor or any third parties, Contractor, at its sole expense, shall maintain in full force and effect the following insurance policies throughout the term of this Agreement.

- (A) **Commercial General Liability.** Commercial general liability insurance with limits of not less than Two Million Dollars (\$2,000,000) per occurrence and an annual aggregate of Four Million Dollars (\$4,000,000). This policy must be issued on a per occurrence basis. Coverage must include products, completed operations, property damage, bodily injury, personal injury, and advertising injury. The Contractor shall obtain an endorsement to this policy naming the County of Fresno, its officers, agents, employees, and volunteers, individually and collectively, as additional insureds, but only insofar as the operations under this Agreement are concerned. Such coverage for additional insureds will apply as primary insurance and any other insurance, or self-insurance, maintained by the County is excess only and not contributing with insurance provided under the Contractor's policy.
- (B) **Automobile Liability.** Automobile liability insurance with limits of not less than One Million Dollars (\$1,000,000) per occurrence for bodily injury and for property damages. Coverage must include any auto used in connection with this Agreement.
- (C) **Workers Compensation.** Workers compensation insurance as required by the laws of the State of California with statutory limits.
- (D) **Employer's Liability.** Employer's liability insurance with limits of not less than One Million Dollars (\$1,000,000) per occurrence for bodily injury and for disease.
- (E) **Professional Liability.** Professional liability insurance with limits of not less than One Million Dollars (\$1,000,000) per occurrence and an annual aggregate of Three Million Dollars (\$3,000,000). If this is a claims-made policy, then (1) the retroactive date must be prior to the date on which services began under this Agreement; (2) the Contractor shall maintain the policy and provide to the County annual evidence of insurance for not less than five years after completion of services under this Agreement; and (3) if the policy is canceled or not renewed, and not replaced with another claims-made policy with a retroactive date prior to the date on which services begin under this Agreement, then the Contractor shall purchase extended reporting coverage on its claims-made policy for a minimum of five years after completion of services under this Agreement.

2. Additional Requirements

- (A) **Verification of Coverage.** Within 30 days after the Contractor signs this Agreement, and at any time during the term of this Agreement as requested by the County's Risk Manager or the County Administrative Office, the Contractor shall deliver, or cause its broker or producer to deliver, to the County Risk Manager, at 2220 Tulare Street, 16th Floor, Fresno, California 93721, or HRRiskManagement@fresnocountyca.gov, and by mail or email to the person identified to receive notices under this Agreement,

Exhibit D

certificates of insurance and endorsements for all of the coverages required under this Agreement.

- (i) Each insurance certificate must state that: (1) the insurance coverage has been obtained and is in full force; (2) the County, its officers, agents, employees, and volunteers are not responsible for any premiums on the policy; and (3) the Contractor has waived its right to recover from the County, its officers, agents, employees, and volunteers any amounts paid under any insurance policy required by this Agreement and that waiver does not invalidate the insurance policy.
 - (ii) The commercial general liability insurance certificate must also state, and include an endorsement, that the County of Fresno, its officers, agents, employees, and volunteers, individually and collectively, are additional insureds insofar as the operations under this Agreement are concerned. The commercial general liability insurance certificate must also state that the coverage shall apply as primary insurance and any other insurance, or self-insurance, maintained by the County shall be excess only and not contributing with insurance provided under the Contractor's policy.
 - (iii) The automobile liability insurance certificate must state that the policy covers any auto used in connection with this Agreement.
 - (iv) The professional liability insurance certificate, if it is a claims-made policy, must also state the retroactive date of the policy, which must be prior to the date on which services began under this Agreement.
- (B) **Acceptability of Insurers.** All insurance policies required under this Agreement must be issued by admitted insurers licensed to do business in the State of California and possessing at all times during the term of this Agreement an A.M. Best, Inc. rating of no less than A: VII.
- (C) **Notice of Cancellation or Change.** For each insurance policy required under this Agreement, the Contractor shall provide to the County, or ensure that the policy requires the insurer to provide to the County, written notice of any cancellation or change in the policy as required in this paragraph. For cancellation of the policy for nonpayment of premium, the Contractor shall, or shall cause the insurer to, provide written notice to the County not less than 10 days in advance of cancellation. For cancellation of the policy for any other reason, and for any other change to the policy, the Contractor shall, or shall cause the insurer to, provide written notice to the County not less than 30 days in advance of cancellation or change. The County in its sole discretion may determine that the failure of the Contractor or its insurer to timely provide a written notice required by this paragraph is a breach of this Agreement.
- (D) **County's Entitlement to Greater Coverage.** If the Contractor has or obtains insurance with broader coverage, higher limits, or both, than what is required under this Agreement, then the County requires and is entitled to the broader coverage, higher limits, or both. To that end, the Contractor shall deliver, or cause its broker or producer to deliver, to the County's Risk Manager certificates of insurance and endorsements for

Exhibit D

all of the coverages that have such broader coverage, higher limits, or both, as required under this Agreement.

- (E) **Waiver of Subrogation.** The Contractor waives any right to recover from the County, its officers, agents, employees, and volunteers any amounts paid under the policy of worker's compensation insurance required by this Agreement. The Contractor is solely responsible to obtain any policy endorsement that may be necessary to accomplish that waiver, but the Contractor's waiver of subrogation under this paragraph is effective whether or not the Contractor obtains such an endorsement.
- (F) **County's Remedy for Contractor's Failure to Maintain.** If the Contractor fails to keep in effect at all times any insurance coverage required under this Agreement, the County may, in addition to any other remedies it may have, suspend or terminate this Agreement upon the occurrence of that failure, or purchase such insurance coverage, and charge the cost of that coverage to the Contractor. The County may offset such charges against any amounts owed by the County to the Contractor under this Agreement.
- (G) **Subcontractors.** The Contractor shall require and verify that all subcontractors used by the Contractor to provide services under this Agreement maintain insurance meeting all insurance requirements provided in this Agreement. This paragraph does not authorize the Contractor to provide services under this Agreement using subcontractors.

Exhibit E

DISPOSAL SITES
ANALYSIS REQUIREMENTS & TEST METHODS

Panel 1 (6 Items)

Surrogates for Metallic Constituents

	Test Method
<i>pH*</i>	150.1 SM 4500-H+B*
<i>Total Dissolved Solids*</i>	160.1 SM 2540C*
<i>Electrical Conductivity*</i>	120.1 SM 2510B*
Chloride	300.0
Sulfate	300.0
Nitrate Nitrogen	300.0

Panel 2 (6 Items)

Miscellaneous Minerals

	Test Method
<i>Bicarbonate*</i>	310.1 SM 2320B*
<i>Calcium*</i>	6010 6010B*
<i>Carbonate*</i>	310.1 SM 2320B*
<i>Magnesium*</i>	6010 6010B*
<i>Potassium*</i>	6010 6010B*
<i>Sodium*</i>	6010 6010B*

Panel 3 (58 Items)

Volatile Organics (EPA 8260B short list)

	Test Method
Acetone	8260B
Acrylonitrile	8260B
Benzene	8260B
Bromochloromethane	8260B
Bromodichloromethane	8260B
Bromoform	8260B
Carbon Disulfide	8260B
Carbon Tetrachloride	8260B
Chlorobenzene	8260B
Chloroethane	8260B
Chloroform	8260B
Dibromochloromethane	8260B
1,2-Dibromo-3-chloropropane	8260B
1,2-Dibromoethane	8260B
1,2-Dichlorobenzene	8260B
1,3-Dichlorobenzene	8260B

Exhibit E

1,4-Dichlorobenzene	8260B
trans-1,4-Dichloro-2-butene	8260B
Dichlorodifluoromethane (CFC – 12)	8260B
1,1-Dichloroethane	8260B
1,2-Dichloroethane	8260B
1,1-Dichloroethylene	8260B
cis-1,2-Dichloroethylene	8260B
trans-1,2-Dichloroethylene	8260B
1,2-Dichloropropane	8260B
cis-1,3-Dichloropropene	8260B
trans-1,3-Dichloropropene	8260B
Di-isopropylether (DIPE)	8260B
Ethanol	8260B
Ethyltertiary butyl ether	8260B
Ethylbenzene	8260B
2-Hexanone	8260B
Hexachlorobutadiene	8260B
Methyl bromide	8260B
Methyl chloride	8260B
Methyl ethyl ketone	8260B
Methyl iodide	8260B
Methyl t-butyl ether	8260B
4-Methyl-2-pentanone	8260B
Methylene bromide	8260B
Methylene chloride	8260B
Naphthalene	8260B
Styrene	8260B
Tertiary amyl methyl ether	8260B
Tertiary butyl alcohol	8260B
1,1,1,2-Tetrachloroethane	8260B
1,1,2,2-Tetrachloroethane	8260B
Tetrachloroethylene	8260B
Toluene	8260B
1,2,4-Trichlorobenzene	8260B
1,1,1-Trichloroethane	8260B
1,1,2-Trichloroethane	8260B
Trichloroethylene	8260B
Trichlorofluoromethane	8260B
1,2,3-Trichloropropane*	8260B SRL-524M-TCP*
Vinyl acetate	8260B

Exhibit E

Vinyl chloride	8260B
Xylene (Total)	8260B

Panel 4 (70 Items)

Volatile Organics (EPA 8260B extended list)

Test Method

Acetone	8260B
Acetonitrile	8260B
Acrolein	8260B
Acrylonitrile	8260B
Allyl chloride	8260B
Benzene	8260B
Bromochloromethane	8260B
Bromodichloromethane	8260B
Bromoform	8260B
Carbon Disulfide	8260B
Carbon Tetrachloride	8260B
Chlorobenzene	8260B
Chloroethane	8260B
Chloroform	8260B
Chloroprene	8260B
Dibromochloromethane	8260B
1,2-Dibromo-3-chloropropane	8260B
1,2-Dibromoethane	8260B
1,2-Dichlorobenzene	8260B
1,3-Dichlorobenzene	8260B
1,4-Dichlorobenzene	8260B
trans-1,4-Dichloro-2-butene	8260B
Dichlorodifluoromethane	8260B
1,1-Dichloroethane	8260B
1,2-Dichloroethane	8260B
1,1-Dichloroethylene	8260B
cis-1,2-Dichloroethylene	8260B
trans-1,2-Dichloroethylene	8260B
1,2-Dichloropropane	8260B
1,3-Dichloropropane	8260B
2,2-Dichloropropane	8260B
1,1-Dichloropropene	8260B
cis-1,3-Dichloropropene	8260B
Di-isopropyl ether	8260B
Ethanol	8260B
Ethyltertiary butyl ether	8260B

Exhibit E

trans-1,3-Dichloropropene	8260B
Ethylbenzene	8260B
Ethyl methacrylate	8260B
Hexachlorobutadiene	8260B
2-Hexanone	8260B
Isobutyl alcohol	8260B
Methacrylonitrile	8260B
Methyl bromide	8260B
Methyl chloride	8260B
Methyl ethyl ketone	8260B
Methyl iodide	8260B
Methyl t-butyl ether	8260B
Methyl methacrylate	8260B
4-Methyl-2-pentanone	8260B
Methylene bromide	8260B
Methylene chloride	8260B
Napthalene	8260B
Propionitrile	8260B
Styrene	8260B
Tertiary amyl methyl ether	8260B
Tertiary butyl alcohol	8260B
1,1,1,2-Tetrachloroethane	8260B
1,1,2,2-Tetrachloroethane	8260B
Tetrachloroethylene	8260B
Toluene	8260B
1,2,4-Trichlorobenzene	8260B
1,1,1-Trichloroethane, Methylchloroform	8260B
1,1,2-Trichloroethane	8260B
Trichloroethylene	8260B
Trichlorofluoromethane	8260B
1,2,3-Trichloropropane*	8260B SRL-524M-TCP*
Vinyl acetate	8260B
Vinyl chloride	8260B
Xylene (Total)	8260B

Panel 5 (118 Items)*

Semi-Volatile Organics (EPA 8270D 8270C*)

Acenaphthene	8270D 8270C ALL*
Acenaphthylene	8270D
Acetophenone	8270D
2-Acetylaminoflourene	8270D

Test Method

Exhibit E

Aldrin	8270D
4-Aminobiphenyl	8270D
Anthracene	8270D
Benzo[a]anthracene	8270D
Benzo[b]fluoranthene	8270D
Benzo[k]fluoranthene	8270D
Benzo[g,h,i]perylene	8270D
Benzo[a]pyrene	8270D
Benzyl alcohol	8270D
alpha-BHC	8270D
beta-BHC	8270D
delta-BHC	8270D
gamma-BHC	8270D
Bis(2-chloroethoxy) methane	8270D
Bis(2-chloroethyl) ether	8270D
Bis(2-chloro-1-methylethyl) ether	8270D
Bis(2-ethylhexyl) phthalate	8270D
4-Bromophenyl phenyl ether	8270D
Butyl benzyl phthalate	8270D
Chlordane	8270D
p-Chloroaniline	8270D
Chlorobenzilate	8270D
p-Chloro-m-cresol	8270D
2-Chloronaphthalene	8270D
2-Chlorophenol	8270D
4-Chlorophenyl phenyl ether	8270D
Chrysene	8270D
o-Cresol	8270D
m-Cresol	8270D
p-Cresol	8270D
4,4'-DDD	8270D
4,4'-DDE	8270D
4,4'-DDT	8270D
Diallate	8270D
Dibenzo[a,h]anthracene	8270D
Dibenzofuran	8270D
Di-n-butyl phthalate	8270D
3,3'-Dichlorobenzidine	8270D
2,4-Dichlorophenol	8270D
2,6-Dichlorophenol	8270D

Exhibit E

Dieldrin	8270D
Diethyl phthalate	8270D
p-(Dimethylamino)azobenzene	8270D
7,12-Dimethylbenz[a]anthracene	8270D
3,3'-Dimethylbenzidine	8270D
2,4-Dimethylphenol	8270D
Dimethyl phthalate	8270D
m-Dinitrobenzene	8270D
4,6-Dinitro-o-cresol	8270D
2,4-Dinitrophenol	8270D
2,4-Dinitrotoluene	8270D
2,6-Dinitrotoluene	8270D
Di-n-octyl phthalate	8270D
Diphenylamine	8270D
Endosulfan I	8270D
Endosulfan II	8270D
Endosulfan sulfate	8270D
Endrin	8270D
Endrin aldehyde	8270D
Ethyl methanesulfonate	8270D
Famphur	8270D
Fluoranthene	8270D
Fluorene	8270D
Heptachlor	8270D
Heptachlor epoxide	8270D
Hexachlorobenzene	8270D
Hexachlorocyclopentadiene	8270D
Hexachloroethane	8270D
Hexachloropropene	8270D
Indeno(1,2,3-c,d)pyrene	8270D
Isodrin	8270D
Isophorone	8270D
Isosafrole	8270D
Kepone	8270D
Methapyrilene	8270D
Methoxychlor	8270D
3-Methylcholanthrene	8270D
Methyl methanesulfonate	8270D
2-Methylnaphthalene	8270D
1,4-Naphthoquinone	8270D

Exhibit E

1-Naphthylamine	8270D
2-Naphthylamine	8270D
o-Nitroaniline	8270D
m-Nitroaniline	8270D
p-Nitroaniline	8270D
Nitrobenzene	8270D
o-Nitrophenol	8270D
p-Nitrophenol	8270D
N-Nitrosodi-n-butylamine	8270D
N-Nitrosodiethylamine	8270D
N-Nitrosodimethylamine	8270D
N-Nitrosodiphenylamine	8270D
N-Nitrosodipropylamine	8270D
N-Nitrosomethylethylamine	8270D
N-Nitrosspiperidine	8270D
N-Nitrosospyrrolidine	8270D
5-Nitro-o-toluidine	8270D
Pentachlorobenzene	8270D
Pentachloronitrobenzene	8270D
Pentachlorophenol	8270D
Phenacetin	8270D
Phenanthrene	8270D
Phenol	8270D
p-Phenylenediamine	8270D
Polychlorinated biphenyls	8270D
Pronamide	8270D
Pyrene	8270D
Safrole	8270D
1,2,4,5-Tetrachlorobenzene	8270D
2,3,4,6-Tetrachlorophenol	8270D
o-Toluidine	8270D
Toxaphene	8270D
2,4,5-Trichlorophenol	8270D
0,0,0-Triethyl phosphorothioate	8270D
sym-Trinitrobenzene	8270D

Panel 6 (22 Items)

Inorganics

	Test Method
Aluminum	200.8
Antimony	200.8
Arsenic	200.8

Exhibit E

Barium	200.8
Beryllium	200.8
Cadmium	200.8
Chromium	200.8
Cobalt	200.8
Copper	200.8
Cyanide	Standard Methods 4500-CM
Iron	200.8
Lead	200.8
Manganese	200.8
Mercury	245.1 <i>Subcontract*</i>
Nickel	200.8
Selenium	200.8
Silver	200.8
Sulfide	Standard Methods 4500-SF <i>Subcontract*</i>
Thallium	200.8
Tin	200.8
Vanadium	200.8
Zinc	200.8

Panel 7 (11 Items)

Organophosphorus Compounds(EPA 8141B)

Test Method

0,0-Diethyl 0-2-pyrazinyl phosphorothioate	8141B
Atrazine	8141B
Chloropyritos	8141B
Diazinon	8141B
Dimethoate	8141B
Disulfoton	8141B
Methyl parathion	8141B
Parathion	8141B
Phorate	8141B
Simazine	8141B

Panel 8 (4 Items)

Chlorinated Herbicides(EPA 8151A)

Test Method

2,4-D	8151A
Dinoseb	8151A
Silvex	8151A
2,4,5-T	8151A

Panel 9 (1 Item)

Exhibit E

Total Organic Carbon (TOC)

** Revisions to Constituents and testing methods in RFQ 23-011 Exhibit A*

Exhibit F

MONITORING AND REPORTING PROGRAM NO. R5-2012-0064
 COUNTY OF FRESNO
 AMERICAN AVENUE MUNICIPAL SOLID WASTE FACILITY
 FRESNO COUNTY

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TABLE I GROUNDWATER DETECTION MONITORING PROGRAM

<u>Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Field Parameters			
Groundwater Elevation	Ft. & 100ths, M.S.L.	Quarterly	Semiannual
Temperature	°F	Semiannual	Semiannual
Electrical Conductivity	umhos/cm	Semiannual	Semiannual
pH	pH units	Semiannual	Semiannual
Turbidity	Turbidity units	Semiannual	Semiannual
Monitoring Parameters			
Total Dissolved Solids (TDS)	mg/L ¹	Semiannual	Semiannual
Chloride	mg/L	Semiannual	Semiannual
Carbonate	mg/L	Semiannual	Semiannual
Bicarbonate	mg/L	Semiannual	Semiannual
Nitrate - Nitrogen	mg/L	Semiannual	Semiannual
Sulfate	mg/L	Semiannual	Semiannual
Calcium	mg/L	Semiannual	Semiannual
Magnesium	mg/L	Semiannual	Semiannual
Potassium	mg/L	Semiannual	Semiannual
Sodium	mg/L	Semiannual	Semiannual
Volatile Organic Compounds (USEPA Method 8260B, short list, see Table V)	ug/L ²	Semiannual	Semiannual
5-Year Constituents of Concern (see Table VI)			
Total Organic Carbon	mg/L	5 years	2013
Inorganics (dissolved)	ug/L	5 years	and every 5 years
Volatile Organic Compounds (USEPA Method 8260B, extended list)	ug/L	5 years	thereafter
Semi-Volatile Organic Compounds (USEPA Method 8270D)	ug/L	5 years	" "
Chlorophenoxy Herbicides (USEPA Method 8151A)	ug/L	5 years	" "
Organophosphorus Compounds (USEPA Method 8141B)	ug/L	5 years	" "

¹ Milligrams per liter
² Micrograms per liter

Exhibit F

MONITORING AND REPORTING PROGRAM NO. R5-2012-0064
 COUNTY OF FRESNO
 AMERICAN AVENUE MUNICIPAL SOLID WASTE FACILITY
 FRESNO COUNTY

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TABLE II UNSATURATED ZONE DETECTION MONITORING PROGRAM

PAN LYSIMETERS¹ (or other vadose zone monitoring device)

Parameter	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Field Parameters			
Electrical Conductivity	umhos/cm	Semiannual	Semiannual
pH	pH units	Semiannual	Semiannual
Volume of liquid removed	gallons	Monthly	Semiannual
Monitoring Parameters			
Total Dissolved Solids (TDS)	mg/L	Semiannual	Semiannual
Chloride	mg/L	Semiannual	Semiannual
Carbonate	mg/L	Semiannual	Semiannual
Bicarbonate	mg/L	Semiannual	Semiannual
Nitrate - Nitrogen	mg/L	Semiannual	Semiannual
Sulfate	mg/L	Semiannual	Semiannual
Calcium	mg/L	Semiannual	Semiannual
Magnesium	mg/L	Semiannual	Semiannual
Potassium	mg/L	Semiannual	Semiannual
Sodium	mg/L	Semiannual	Semiannual
Volatile Organic Compounds (USEPA Method 8260B, short list, see Table V)	ug/L	Semiannual	Semiannual
5-Year Constituents of Concern (see Table VI)			
Total Organic Carbon	mg/L	5 years	2013
Inorganics (dissolved)	ug/L	5 years	and every 5 years
Volatile Organic Compounds (USEPA Method 8260B, extended list)	ug/L	5 years	thereafter
Semi-Volatile Organic Compounds (USEPA Method 8270D)	ug/L	5 years	" "
Chlorophenoxy Herbicides (USEPA Method 8151A)	ug/L	5 years	" "
Organophosphorus Compounds (USEPA Method 8141B)	ug/L	5 years	" "

¹ Pan lysimeters shall be inspected for the presence of liquid **monthly**. If liquid is detected in a previously dry pan lysimeter, the Discharger shall verbally notify Central Valley Water Board staff within **seven days** and shall immediately sample and test the liquid for Field and Monitoring Parameters listed in Table II.

TABLE III
LEACHATE MONITORING ¹, SEEP MONITORING ², AND LCRS TESTING ³

<u>Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Field Parameters			
Total Flow	Gallons	Monthly	Semiannual
Flow Rate	Gallons/Day	Monthly	Semiannual
Electrical Conductivity	umhos/cm	Quarterly	Semiannual
pH	pH units	Quarterly	Semiannual
Monitoring Parameters			
Total Dissolved Solids (TDS)	mg/L	Annually	Annually
Chloride	mg/L	Annually	Annually
Carbonate	mg/L	Annually	Annually
Bicarbonate	mg/L	Annually	Annually
Nitrate - Nitrogen	mg/L	Annually	Annually
Sulfate	mg/L	Annually	Annually
Calcium	mg/L	Annually	Annually
Magnesium	mg/L	Annually	Annually
Potassium	mg/L	Annually	Annually
Sodium	mg/L	Annually	Annually
Volatile Organic Compounds (USEPA Method 8260B, short list, see Table V)	ug/L	Annually	Annually
5-Year Constituents of Concern (see Table VI)			
Total Organic Carbon	mg/L	5 years	2013
Inorganics (dissolved)	ug/L	5 years	and every 5 years
Volatile Organic Compounds (USEPA Method 8260B, extended list)	ug/L	5 years	thereafter
Semi-Volatile Organic Compounds (USEPA Method 8270D)	ug/L	5 years	" "
Chlorophenoxy Herbicides (USEPA Method 8151A)	ug/L	5 years	" "
Organophosphorus Compounds (USEPA Method 8141B)	ug/L	5 years	" "
LCRS Testing ³	---	Annually	Annually

¹ If leachate is detected in a previously dry sump, the Discharger shall verbally notify Central Valley Water Board staff within **seven days** and shall immediately sample and test the leachate for Field and Monitoring Parameters listed in Table III. Leachate in the LCRS sump shall then be sampled for all parameters and constituents in accordance with the frequencies listed in Table III whenever liquid is present.

² Leachate seeps shall be sampled and analyzed for the Field and Monitoring Parameters in this table upon detection. The quantity of leachate shall be estimated and reported in gallons/day. Also, refer to Section B.3

³ The Discharger shall test each LCRS annually pursuant to Title 27, section 20340(d) to demonstrate proper operation. The results of the tests shall be compared with earlier tests made under comparable conditions.

TABLE IV
SURFACE WATER DETECTION MONITORING PROGRAM

<u>Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u> ¹	<u>Reporting Frequency</u>
Field Parameters			
Electrical Conductivity	umhos/cm	Semiannual	Semiannual
pH	pH units	Semiannual	Semiannual
Turbidity	Turbidity units	Semiannual	Semiannual
Flow to Waters of U.S.	Yes or No	Semiannual	Semiannual
Monitoring Parameters			
Total Dissolved Solids (TDS)	mg/L	Semiannual	Semiannual
Carbonate	mg/L	Semiannual	Semiannual
Bicarbonate	mg/L	Semiannual	Semiannual
Chloride	mg/L	Semiannual	Semiannual
Nitrate - Nitrogen	mg/L	Semiannual	Semiannual
Sulfate	mg/L	Semiannual	Semiannual
Calcium	mg/L	Semiannual	Semiannual
Magnesium	mg/L	Semiannual	Semiannual
Potassium	mg/L	Semiannual	Semiannual
Sodium	mg/L	Semiannual	Semiannual
Volatile Organic Compounds (USEPA Method 8260B, short list, see Table V)	ug/L	Semiannual	Semiannual
5-Year Constituents of Concern (see Table VI)			
Total Organic Carbon	mg/L	5 years	2013
Inorganics (dissolved)	ug/L	5 years	and every 5 years
Volatile Organic Compounds (USEPA Method 8260B, extended list)	ug/L	5 years	thereafter
Semi-Volatile Organic Compounds (USEPA Method 8270D)	ug/L	5 years	" "
Chlorophenoxy Herbicides (USEPA Method 8151A)	ug/L	5 years	" "
Organophosphorus Compounds (USEPA Method 8141B)	ug/L	5 years	" "

¹ Semiannual surface water monitoring is required twice per year when there is water present at the designated surface water monitoring point any time during the reporting period (1 January to 30 June or 1 July to 31 December). Reporting shall include whether there was flow from the facility to waters of the U.S. when the samples were collected.

TABLE V

MONITORING PARAMETERS FOR DETECTION MONITORING

Surrogates for Metallic Constituents:

pH
 Total Dissolved Solids
 Electrical Conductivity
 Chloride
 Sulfate
 Nitrate nitrogen

Volatile Organic Compounds, short list:

USEPA Method 8260B

Acetone
 Acrylonitrile
 Benzene
 Bromochloromethane
 Bromodichloromethane
 Bromoform (Tribromomethane)
 Carbon disulfide
 Carbon tetrachloride
 Chlorobenzene
 Chloroethane (Ethyl chloride)
 Chloroform (Trichloromethane)
 Dibromochloromethane (Chlorodibromomethane)
 1,2-Dibromo-3-chloropropane (DBCP)
 1,2-Dibromoethane (Ethylene dibromide; EDB)
 o-Dichlorobenzene (1,2-Dichlorobenzene)
 m-Dichlorobenzene (1,3-Dichlorobenzene)
 p-Dichlorobenzene (1,4-Dichlorobenzene)
 trans-1,4-Dichloro-2-butene
 Dichlorodifluoromethane (CFC-12)
 1,1-Dichloroethane (Ethylidene chloride)
 1,2-Dichloroethane (Ethylene dichloride)
 1,1 -Dichloroethylene (1,1 -Dichloroethene; Vinylidene chloride)
 cis- 1,2-Dichloroethylene (cis- 1,2-Dichloroethene)
 trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)
 1,2-Dichloropropane (Propylene dichloride)
 cis- 1,3-Dichloropropene
 trans- 1,3-Dichloropropene
 Di-isopropylether (DIPE)
 Ethanol
 Ethyltertiary butyl ether
 Ethylbenzene
 2-Hexanone (Methyl butyl ketone)
 Hexachlorobutadiene
 Methyl bromide (Bromomethane)
 Methyl chloride (Chloromethane)

TABLE V
 MONITORING PARAMETERS FOR DETECTION MONITORING

Continued

Methylene bromide (Dibromomethane)
 Methylene chloride (Dichloromethane)
 Methyl ethyl ketone (MEK: 2-Butanone)
 Methyl iodide (Iodomethane)
 Methyl t-butyl ether
 4-Methyl-2-pentanone (Methyl isobutylketone)
 Naphthalene
 Styrene
 Tertiary amyl methyl ether
 Tertiary butyl alcohol
 1,1,1,2-Tetrachloroethane
 1,1,2,2-Tetrachloroethane
 Tetrachloroethylene (Tetrachloroethene; Perchloroethylene)
 Toluene
 1,2,4-Trichlorobenzene
 1,1,1-Trichloroethane (Methylchloroform)
 1,1,2-Trichloroethane
 Trichloroethylene (Trichloroethene)
 Trichlorofluoromethane (CFC- 11)
 1,2,3-Trichloropropane
 Vinyl acetate
 Vinyl chloride
 Xylenes

TABLE VI
 5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

<u>Inorganics (dissolved):</u>	<u>USEPA Method</u>
Aluminum	6010
Antimony	7041
Barium	6010
Beryllium	6010
Cadmium	7131A
Chromium	6010
Cobalt	6010
Copper	6010
Silver	6010
Tin	6010
Vanadium	6010
Zinc	6010
Iron	6010
Manganese	6010
Arsenic	7062
Lead	7421
Mercury	7470A
Nickel	7521
Selenium	7742
Thallium	7841
Cyanide	9010C
Sulfide	9030B

Volatile Organic Compounds, extended list:

USEPA Method 8260B

- Acetone
- Acetonitrile (Methyl cyanide)
- Acrolein
- Acrylonitrile
- Allyl chloride (3-Chloropropene)
- Benzene
- Bromochloromethane (Chlorobromomethane)
- Bromodichloromethane (Dibromochloromethane)
- Bromoform (Tribromomethane)
- Carbon disulfide
- Carbon tetrachloride
- Chlorobenzene
- Chloroethane (Ethyl chloride)
- Chloroform (Trichloromethane)
- Chloroprene
- Dibromochloromethane (Chlorodibromomethane)
- 1,2-Dibromo-3-chloropropane (DBCP)
- 1,2-Dibromoethane (Ethylene dibromide; EDB)
- o-Dichlorobenzene (1,2-Dichlorobenzene)

TABLE VI

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

m-Dichlorobenzene (1,3-Dichlorobenzene)
 p-Dichlorobenzene (1,4-Dichlorobenzene)
 trans- 1,4-Dichloro-2-butene
 Dichlorodifluoromethane (CFC 12)
 1,1 -Dichloroethane (Ethylidene chloride)
 1,2-Dichloroethane (Ethylene dichloride)
 1,1 -Dichloroethylene (1, I-Dichloroethene; Vinylidene chloride)
 cis- 1,2-Dichloroethylene (cis- 1,2-Dichloroethene)
 trans- 1,2-Dichloroethylene (trans- 1,2-Dichloroethene)
 1,2-Dichloropropane (Propylene dichloride)
 1,3-Dichloropropane (Trimethylene dichloride)
 2,2-Dichloropropane (Isopropylidene chloride)
 1,1 -Dichloropropene
 cis- 1,3-Dichloropropene
 trans- 1,3-Dichloropropene
 Di-isopropylether (DIPE)
 Ethanol
 Ethyltertiary butyl ether
 Ethylbenzene
 Ethyl methacrylate
 Hexachlorobutadiene
 2-Hexanone (Methyl butyl ketone)
 Isobutyl alcohol
 Methacrylonitrile
 Methyl bromide (Bromomethane)
 Methyl chloride (Chloromethane)
 Methyl ethyl ketone (MEK; 2-Butanone)
 Methyl iodide (Iodomethane)
 Methyl t-butyl ether
 Methyl methacrylate
 4-Methyl-2-pentanone (Methyl isobutyl ketone)
 Methylene bromide (Dibromomethane)
 Methylene chloride (Dichloromethane)
 Naphthalene
 Propionitrile (Ethyl cyanide)
 Styrene
 Tertiary amyl methyl ether
 Tertiary butyl alcohol
 1,1,1,2-Tetrachloroethane
 1,1,2,2-Tetrachloroethane
 Tetrachloroethylene (Tetrachloroethene; Perchloroethylene; PCE)
 Toluene
 1,2,4-Trichlorobenzene

TABLE VI

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

1,1,1 -Trichloroethane (Methylchloroform)
 1,1,2-Trichloroethane
 Trichloroethylene (Trichloroethene; TCE)
 Trichlorofluoromethane (CFC- 11)
 1,2,3-Trichloropropane
 Vinyl acetate
 Vinyl chloride (Chloroethene)
 Xylene (total)

Semi-Volatile Organic Compounds:

USEPA Method 8270D - base, neutral, & acid extractables

Acenaphthene
 Acenaphthylene
 Acetophenone
 2-Acetylaminofluorene (2-AAF)
 Aldrin
 4-Aminobiphenyl
 Anthracene
 Benzo[a]anthracene (Benzanthracene)
 Benzo[b]fluoranthene
 Benzo[k]fluoranthene
 Benzo[g,h,i]perylene
 Benzo[a]pyrene
 Benzyl alcohol
 Bis(2-ethylhexyl) phthalate
 alpha-BHC
 beta-BHC
 delta-BHC
 gamma-BHC (Lindane)
 Bis(2-chloroethoxy)methane
 Bis(2-chloroethyl) ether (Dichloroethyl ether)
 Bis(2-chloro-1-methylethyl) ether (Bis(2-chloroisopropyl) ether; DCIP)
 4-Bromophenyl phenyl ether
 Butyl benzyl phthalate (Benzyl butyl phthalate)
 Chlordane
 p-Chloroaniline
 Chlorobenzilate
 p-Chloro-m-cresol (4-Chloro-3-methylphenol)
 2-Chloronaphthalene
 2-Chlorophenol
 4-Chlorophenyl phenyl ether
 Chrysene
 o-Cresol (2-methylphenol)
 m-Cresol (3-methylphenol)
 p-Cresol (4-methylphenol)

TABLE VI

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

4,4'-DDD
 4,4'-DDE
 4,4'-DDT
 Diallate
 Dibenz[a,h]anthracene
 Dibenzofuran
 Di-n-butyl phthalate
 3,3'-Dichlorobenzidine
 2,4-Dichlorophenol
 2,6-Dichlorophenol
 Dieldrin
 Diethyl phthalate
 p-(Dimethylamino)azobenzene
 7,12-Dimethylbenz[a]anthracene
 3,3'-Dimethylbenzidine
 2,4-Dimethylphenol (m-Xylenol)
 Dimethyl phthalate
 m-Dinitrobenzene
 4,6-Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)
 2,4-Dinitrophenol
 2,4-Dinitrotoluene
 2,6-Dinitrotoluene
 Di-n-octyl phthalate
 Diphenylamine
 Endosulfan I
 Endosulfan II
 Endosulfan sulfate
 Endrin
 Endrin aldehyde
 Ethyl methanesulfonate
 Famphur
 Fluoranthene
 Fluorene
 Heptachlor
 Heptachlor epoxide
 Hexachlorobenzene
 Hexachlorocyclopentadiene
 Hexachloroethane
 Hexachloropropene
 Indeno(1,2,3-c,d)pyrene
 Isodrin
 Isophorone
 Isosafrole
 Kepone
 Methapyrilene
 Methoxychlor
 3-Methylcholanthrene

TABLE VI

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

Methyl methanesulfonate
2-Methylnaphthalene
1,4-Naphthoquinone
1-Naphthylamine
2-Naphthylamine
o-Nitroaniline (2-Nitroaniline)
m-Nitroaniline (3-Nitroaniline)
p-Nitroaniline (4-Nitroaniline)
Nitrobenzene
o-Nitrophenol (2-Nitrophenol)
p-Nitrophenol (4-Nitrophenol)
N-Nitrosodi-n-butylamine (Di-n-butylnitrosamine)
N-Nitrosodiethylamine (Diethylnitrosamine)
N-Nitrosodimethylamine (Dimethylnitrosamine)
N-Nitrosodiphenylamine (Diphenylnitrosamine)
N-Nitrosodipropylamine (N-Nitroso-N-dipropylamine; Di-n-propylnitrosamine)
N-Nitrosomethylethylamine (Methylethylnitrosamine)
N-Nitrosopiperidine
N-Nitrosopyrrolidine
5-Nitro-o-toluidine
Pentachlorobenzene
Pentachloronitrobenzene (PCNB)
Pentachlorophenol
Phenacetin
Phenanthrene
Phenol
p-Phenylenediamine
Polychlorinated biphenyls (PCBs; Aroclors)
Pronamide
Pyrene
Safrole
1,2,4,5-Tetrachlorobenzene
2,3,4,6-Tetrachlorophenol
o-Toluidine
Toxaphene
2,4,5-Trichlorophenol
0,0,0-Triethyl phosphorothioate
sym-Trinitrobenzene

Exhibit F

MONITORING AND REPORTING PROGRAM R5-2014-0058
 COUNTY OF FRESNO AND CHEVRON USA, INC.
 COALINGA SOLID WASTE DISPOSAL SITE
 FRESNO COUNTY

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TABLE I
GROUNDWATER DETECTION MONITORING PROGRAM

<u>Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Field Parameters			
Groundwater Elevation	Ft. & 100ths, M.S.L.	Quarterly	Semiannual
Temperature	°F	Semiannual	Semiannual
Electrical Conductivity	umhos/cm	Semiannual	Semiannual
pH	pH units	Semiannual	Semiannual
Turbidity	Turbidity units	Semiannual	Semiannual
Monitoring Parameters			
Total Dissolved Solids (TDS)	mg/L ¹	Semiannual	Semiannual
Chloride	mg/L	Semiannual	Semiannual
Carbonate	mg/L	Semiannual	Semiannual
Bicarbonate	mg/L	Semiannual	Semiannual
Nitrate - Nitrogen	mg/L	Semiannual	Semiannual
Sulfate	mg/L	Semiannual	Semiannual
Calcium	mg/L	Semiannual	Semiannual
Magnesium	mg/L	Semiannual	Semiannual
Potassium	mg/L	Semiannual	Semiannual
Sodium	mg/L	Semiannual	Semiannual
Volatile Organic Compounds (USEPA Method 8260B, short list, see Table IV)	ug/L ²	Semiannual	Semiannual
5-Year Constituents of Concern (see Table V)			
Total Organic Carbon	mg/L	5 years	5 years
Inorganics (dissolved)	ug/L	5 years	5 years
Volatile Organic Compounds (USEPA Method 8260B, extended list)	ug/L	5 years	5 years
Semi-Volatile Organic Compounds (USEPA Method 8270D)	ug/L	5 years	5 years
Chlorophenoxy Herbicides (USEPA Method 8151A)	ug/L	5 years	5 years
Organophosphorus Compounds (USEPA Method 8141B)	ug/L	5 years	5 years

¹ Milligrams per liter
² Micrograms per liter

Exhibit F

MONITORING AND REPORTING PROGRAM R5-2014-0058
 COUNTY OF FRESNO AND CHEVRON USA, INC.
 COALINGA SOLID WASTE DISPOSAL SITE
 FRESNO COUNTY

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TABLE II
LEACHATE SEEP MONITORING ¹

<u>Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Field Parameters			
Total Flow	Gallons	Monthly	Semiannual
Flow Rate	Gallons/Day	Monthly	Semiannual
Electrical Conductivity	umhos/cm	Quarterly	Semiannual
pH	pH units	Quarterly	Semiannual
Monitoring Parameters			
Total Dissolved Solids (TDS)	mg/L	Annually	Annually
Chloride	mg/L	Annually	Annually
Carbonate	mg/L	Annually	Annually
Bicarbonate	mg/L	Annually	Annually
Nitrate - Nitrogen	mg/L	Annually	Annually
Sulfate	mg/L	Annually	Annually
Calcium	mg/L	Annually	Annually
Magnesium	mg/L	Annually	Annually
Potassium	mg/L	Annually	Annually
Sodium	mg/L	Annually	Annually
Volatile Organic Compounds (USEPA Method 8260B, short list, see Table IV)	ug/L	Annually	Annually
5-Year Constituents of Concern (see Table V)			
Total Organic Carbon	mg/L	5 years	5 years
Inorganics (dissolved)	ug/L	5 years	5 years
Volatile Organic Compounds (USEPA Method 8260B, extended list)	ug/L	5 years	5 years
Semi-Volatile Organic Compounds (USEPA Method 8270D)	ug/L	5 years	5 years
Chlorophenoxy Herbicides (USEPA Method 8151A)	ug/L	5 years	5 years
Organophosphorus Compounds (USEPA Method 8141B)	ug/L	5 years	5 years

¹ Leachate seeps shall be sampled and analyzed for the Field and Monitoring Parameters in this table upon detection. The quantity of leachate shall be estimated and reported in gallons/day. Also, refer to Section B.3

Exhibit F

MONITORING AND REPORTING PROGRAM R5-2014-0058
COUNTY OF FRESNO AND CHEVRON USA, INC.
COALINGA SOLID WASTE DISPOSAL SITE
FRESNO COUNTY

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TABLE III

MONITORING PARAMETERS FOR DETECTION MONITORING

Surrogates for Metallic Constituents:

pH
Total Dissolved Solids
Electrical Conductivity
Chloride
Sulfate
Nitrate nitrogen

Volatile Organic Compounds, short list:

USEPA Method 8260B

Acetone
Acrylonitrile
Benzene
Bromochloromethane
Bromodichloromethane
Bromoform (Tribromomethane)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane (Ethyl chloride)
Chloroform (Trichloromethane)
Dibromochloromethane (Chlorodibromomethane)
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (Ethylene dibromide; EDB)
o-Dichlorobenzene (1,2-Dichlorobenzene)
m-Dichlorobenzene (1,3-Dichlorobenzene)
p-Dichlorobenzene (1,4-Dichlorobenzene)
trans-1,4-Dichloro-2-butene
Dichlorodifluoromethane (CFC-12)
1,1-Dichloroethane (Ethylidene chloride)
1,2-Dichloroethane (Ethylene dichloride)
1,1-Dichloroethylene (1,1-Dichloroethene; Vinylidene chloride)
cis-1,2-Dichloroethylene (cis-1,2-Dichloroethene)
trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)
1,2-Dichloropropane (Propylene dichloride)
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Di-isopropylether (DIPE)
Ethanol
Ethyltertiary butyl ether
Ethylbenzene
2-Hexanone (Methyl butyl ketone)
Hexachlorobutadiene
Methyl bromide (Bromomethane)
Methyl chloride (Chloromethane)

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TABLE III MONITORING PARAMETERS FOR DETECTION MONITORING

Continued

Methylene bromide (Dibromomethane)
Methylene chloride (Dichloromethane)
Methyl ethyl ketone (MEK: 2-Butanone)
Methyl iodide (Iodomethane)
Methyl t-butyl ether
4-Methyl-2-pentanone (Methyl isobutylketone)
Naphthalene
Styrene
Tertiary amyl methyl ether
Tertiary butyl alcohol
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene (Tetrachloroethene; Perchloroethylene)
Toluene
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane (Methylchloroform)
1,1,2-Trichloroethane
Trichloroethylene (Trichloroethene)
Trichlorofluoromethane (CFC- 11)
1,2,3-Trichloropropane
Vinyl acetate
Vinyl chloride
Xylénes

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TABLE IV
5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

<u>Inorganics (dissolved):</u>	<u>USEPA Method</u>
Aluminum	6010
Antimony	7041
Barium	6010
Beryllium	6010
Cadmium	7131A
Chromium	6010
Cobalt	6010
Copper	6010
Silver	6010
Tin	6010
Vanadium	6010
Zinc	6010
Iron	6010
Manganese	6010
Arsenic	7062
Lead	7421
Mercury	7470A
Nickel	7521
Selenium	7742
Thallium	7841
Cyanide	9010C
Sulfide	9030B

Volatile Organic Compounds, extended list:

USEPA Method 8260B

Acetone
Acetonitrile (Methyl cyanide)
Acrolein
Acrylonitrile
Allyl chloride (3-Chloropropene)
Benzene
Bromochloromethane (Chlorobromomethane)
Bromodichloromethane (Dibromochloromethane)
Bromoform (Tribromomethane)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane (Ethyl chloride)
Chloroform (Trichloromethane)
Chloroprene
Dibromochloromethane (Chlorodibromomethane)
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (Ethylene dibromide; EDB)
o-Dichlorobenzene (1,2-Dichlorobenzene)

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TABLE IV

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

m-Dichlorobenzene (1,3-Dichlorobenzene)
p-Dichlorobenzene (1,4-Dichlorobenzene)
trans- 1,4-Dichloro-2-butene
Dichlorodifluoromethane (CFC 12)
1,1 -Dichloroethane (Ethylidene chloride)
1,2-Dichloroethane (Ethylene dichloride)
1,1 -Dichloroethylene (1, 1-Dichloroethene; Vinylidene chloride)
cis- 1,2-Dichloroethylene (cis- 1,2-Dichloroethene)
trans- 1,2-Dichloroethylene (trans- 1,2-Dichloroethene)
1,2-Dichloropropane (Propylene dichloride)
1,3-Dichloropropane (Trimethylene dichloride)
2,2-Dichloropropane (Isopropylidene chloride)
1,1 -Dichloropropene
cis- 1,3-Dichloropropene
trans- 1,3-Dichloropropene
Di-isopropylether (DIPE)
Ethanol
Ethyltertiary butyl ether
Ethylbenzene
Ethyl methacrylate
Hexachlorobutadiene
2-Hexanone (Methyl butyl ketone)
Isobutyl alcohol
Methacrylonitrile
Methyl bromide (Bromomethane)
Methyl chloride (Chloromethane)
Methyl ethyl ketone (MEK; 2-Butanone)
Methyl iodide (Iodomethane)
Methyl t-butyl ether
Methyl methacrylate
4-Methyl-2-pentanone (Methyl isobutyl ketone)
Methylene bromide (Dibromomethane)
Methylene chloride (Dichloromethane)
Naphthalene
Propionitrile (Ethyl cyanide)
Styrene
Tertiary amyl methyl ether
Tertiary butyl alcohol
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethylene (Tetrachloroethene; Perchloroethylene; PCE)
Toluene

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TABLE IV

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

1,2,4-Trichlorobenzene
1,1,1 -Trichloroethane (Methylchloroform)
1,1,2-Trichloroethane
Trichloroethylene (Trichloroethene; TCE)
Trichlorofluoromethane (CFC- 11)
1,2,3-Trichloropropane
Vinyl acetate
Vinyl chloride (Chloroethene)
Xylene (total)

Semi-Volatile Organic Compounds:

USEPA Method 8270D - base, neutral, & acid extractables

Acenaphthene
Acenaphthylene
Acetophenone
2-Acetylaminofluorene (2-AAF)
Aldrin
4-Aminobiphenyl
Anthracene
Benzo[a]anthracene (Benanthracene)
Benzo[b]fluoranthene
Benzo[k]fluoranthene
Benzo[g,h,i]perylene
Benzo[a]pyrene
Benzyl alcohol
Bis(2-ethylhexyl) phthalate
alpha-BHC
beta-BHC
delta-BHC
gamma-BHC (Lindane)
Bis(2-chloroethoxy)methane
Bis(2-chloroethyl) ether (Dichloroethyl ether)
Bis(2-chloro-1-methylethyl) ether (Bis(2-chloroisopropyl) ether; DCIP)
4-Bromophenyl phenyl ether
Butyl benzyl phthalate (Benzyl butyl phthalate)
Chlordane
p-Chloroaniline
Chlorobenzilate
p-Chloro-m-cresol (4-Chloro-3-methylphenol)
2-Chloronaphthalene
2-Chlorophenol
4-Chlorophenyl phenyl ether
Chrysene
o-Cresol (2-methylphenol)
m-Cresol (3-methylphenol)

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TABLE IV

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

p-Cresol (4-methylphenol)
4,4'-DDD
4,4'-DDE
4,4'-DDT
Diallate
Dibenz[a,h]anthracene
Dibenzofuran
Di-n-butyl phthalate
3,3'-Dichlorobenzidine
2,4-Dichlorophenol
2,6-Dichlorophenol
Dieldrin
Diethyl phthalate
p-(Dimethylamino)azobenzene
7,12-Dimethylbenz[a]anthracene
3,3'-Dimethylbenzidine
2,4-Dimethylphenol (m-Xylenol)
Dimethyl phthalate
m-Dinitrobenzene
4,6-Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Di-n-octyl phthalate
Diphenylamine
Endosulfan I
Endosulfan II
Endosulfan sulfate
Endrin
Endrin aldehyde
Ethyl methanesulfonate
Famphur
Fluoranthene
Fluorene
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Hexachlorocyclopentadiene
Hexachloroethane
Hexachloropropene
Indeno(1,2,3-c,d)pyrene
Isodrin
Isophorone
Isosafrole
Kepone
Methapyrilene
Methoxychlor

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TABLE IV

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

3-Methylcholanthrene
Methyl methanesulfonate
2-Methylnaphthalene
1,4-Naphthoquinone
1-Naphthylamine
2-Naphthylamine
o-Nitroaniline (2-Nitroaniline)
m-Nitroaniline (3-Nitroaniline)
p-Nitroaniline (4-Nitroaniline)
Nitrobenzene
o-Nitrophenol (2-Nitrophenol)
p-Nitrophenol (4-Nitrophenol)
N-Nitrosodi-n-butylamine (Di-n-butylnitrosamine)
N-Nitrosodiethylamine (Diethylnitrosamine)
N-Nitrosodimethylamine (Dimethylnitrosamine)
N-Nitrosodiphenylamine (Diphenylnitrosamine)
N-Nitrosodipropylamine (N-Nitroso-N-dipropylamine; Di-n-propylnitrosamine)
N-Nitrosomethylethylamine (Methylethylnitrosamine)
N-Nitrosopiperidine
N-Nitrosopyrrolidine
5-Nitro-o-toluidine
Pentachlorobenzene
Pentachloronitrobenzene (PCNB)
Pentachlorophenol
Phenacetin
Phenanthrene
Phenol
p-Phenylenediamine
Polychlorinated biphenyls (PCBs; Aroclors)
Pronamide
Pyrene
Safrole
1,2,4,5-Tetrachlorobenzene
2,3,4,6-Tetrachlorophenol
o-Toluidine
Toxaphene
2,4,5-Trichlorophenol
0,0,0-Triethyl phosphorothioate
sym-Trinitrobenzene

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TABLE IV

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

Chlorophenoxy Herbicides:

USEPA Method 8151A

2,4-D (2,4-Dichlorophenoxyacetic acid)
Dinoseb (DNBP; 2-sec-Butyl-4,6-dinitrophenol)
Silvex (2,4,5-Trichlorophenoxypropionic acid; 2,4,5-TP)
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)

Organophosphorus Compounds:

USEPA Method 8141B

Atrazine
Chlorpyrifos
0,0-Diethyl 0-2-pyrazinyl phosphorothioate (Thionazin)
Diazinon
Dimethoate
Disulfoton
Methyl parathion (Parathion methyl)
Parathion
Phorate
Simazine

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TABLE I
GROUNDWATER DETECTION MONITORING PROGRAM

<u>Parameter</u>	<u>GeoTracker Code</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Field Parameters				
Groundwater Elevation	GWELEV	Ft. & 100ths, M.S.L.	Quarterly	Semiannual
Temperature	TEMP	°F	Semiannual	Semiannual
Electrical Conductivity	SC	umhos/cm	Semiannual	Semiannual
pH	PH	pH units	Semiannual	Semiannual
Turbidity	TURB	Turbidity units	Semiannual	Semiannual
Monitoring Parameters				
Total Dissolved Solids (TDS)	TDS	mg/L ¹	Semiannual	Semiannual
Chloride	CL	mg/L	Semiannual	Semiannual
Carbonate	CACO3	mg/L	Semiannual	Semiannual
Bicarbonate	BICACO3	mg/L	Semiannual	Semiannual
Nitrate - Nitrogen	NO3N	mg/L	Semiannual	Semiannual
Sulfate	SO4	mg/L	Semiannual	Semiannual
Calcium	CA	mg/L	Semiannual	Semiannual
Magnesium	MG	mg/L	Semiannual	Semiannual
Potassium	K	mg/L	Semiannual	Semiannual
Sodium	NA	mg/L	Semiannual	Semiannual
Volatile Organic Compounds (USEPA Method 8260B, short list, see Table III)		ug/L ²	Semiannual	Semiannual
5-Year Constituents of Concern (see Table IV)				
Total Organic Carbon	TOC	mg/L	5 years	2023
Inorganics (dissolved)		ug/L	5 years	and every 5 years
Volatile Organic Compounds (USEPA Method 8260B, extended list)		ug/L	5 years	thereafter
Semi-Volatile Organic Compounds (USEPA Method 8270D)		ug/L	5 years	" "
Chlorophenoxy Herbicides (USEPA Method 8151A)		ug/L	5 years	" "
Organophosphorus Compounds (USEPA Method 8141B)		ug/L	5 years	" "

¹ Milligrams per liter
² Micrograms per liter

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TABLE II
LEACHATE MONITORING ¹, SEEP MONITORING ²

<u>Parameter</u>	<u>GeoTracker Code</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Field Parameters				
Total Flow		Gallons	Monthly	Semiannual
Flow Rate	FLOW	Gallons/Day	Monthly	Semiannual
Electrical Conductivity	SC	umhos/cm	Quarterly	Semiannual
pH	PH	pH units	Quarterly	Semiannual
Monitoring Parameters				
Total Dissolved Solids (TDS)	TDS	mg/L	Annually	Annually
Chloride	CL	mg/L	Annually	Annually
Carbonate	CACO3	mg/L	Annually	Annually
Bicarbonate	BICACO3	mg/L	Annually	Annually
Nitrate - Nitrogen	NO3N	mg/L	Annually	Annually
Sulfate	SO4	mg/L	Annually	Annually
Calcium	CA	mg/L	Annually	Annually
Magnesium	MG	mg/L	Annually	Annually
Potassium	K	mg/L	Annually	Annually
Sodium	NA	mg/L	Annually	Annually
Volatile Organic Compounds (USEPA Method 8260B, short list, see Table III)		ug/L	Annually	Annually
5-Year Constituents of Concern (see Table IV)				
Total Organic Carbon	TOC	mg/L	5 years	2023
Inorganics (dissolved)		ug/L	5 years	and every 5 years
Volatile Organic Compounds (USEPA Method 8260B, extended list)		ug/L	5 years	thereafter
Semi-Volatile Organic Compounds (USEPA Method 8270C or D)		ug/L	5 years	" "
Chlorophenoxy Herbicides (USEPA Method 8151A)		ug/L	5 years	" "
Organophosphorus Compounds (USEPA Method 8141B)		ug/L	5 years	" "

¹ If leachate is detected in a previously dry sump, the Discharger shall verbally notify Central Valley Water Board staff within **seven days** and shall immediately sample and test the leachate for Field and Monitoring Parameters listed in Table III. Leachate in the LCRS sump shall then be sampled for all parameters and constituents in accordance with the frequencies listed in Table III whenever liquid is present.

² Leachate seeps shall be sampled and analyzed for the Field and Monitoring Parameters in this table upon detection. The quantity of leachate shall be estimated and reported in gallons/day. Also, refer to Section B.3

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TABLE III

MONITORING PARAMETERS FOR DETECTION MONITORING

Surrogates for Metallic Constituents:

<u>COC Description</u>	<u>GeoTracker Code</u>
pH	PH
Total Dissolved Solids	TDS
Electrical Conductivity	SC
Chloride	CL
Sulfate	SO4
Nitrate nitrogen	NO3N

Volatile Organic Compounds, short list (USEPA Method 8260B):

Acetone	ACE
Acrylonitrile	ACRAMD
Benzene	BZ
Bromochloromethane	BRCLME
Bromodichloromethane	BDCME
Bromoform (Tribromiomethane)	TBME
Carbon disulfide	CDS
Carbon tetrachloride	CTCL
Chlorobenzene	CLBZ
Chloroethane (Ethyl chloride)	CLEA
Chloroform (Trichloromethane)	TCLME
Dibromochloromethane (Chlorodibromomethane)	DBCME
1,2-Dibromo-3-chloropropane (DBCP)	DBCP
1,2-Dibromoethane (Ethylene dibromide; EDB)	EDB
o-Dichlorobenzene (1,2-Dichlorobenzene)	DCBZ12
m-Dichlorobenzene (1,3-Dichlorobenzene)	DCBZ13
p-Dichlorobenzene (1,4-Dichlorobenzene)	DCBZ14
trans-1,4-Dichloro-2-butene	DCBE14T
Dichlorodifluoromethane (CFC-12)	FC12
1,1-Dichloroethane (Ethylidene chloride)	DCA11
1,2-Dichloroethane (Ethylene dichloride)	DCA12
1,1 -Dichloroethylene (1,1 -Dichloroethene; Vinylidene chloride)	DCE11
cis- 1,2-Dichloroethylene (cis- 1,2-Dichloroethene)	DCE12C
trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)	DCE12T
1,2-Dichloropropane (Propylene dichloride)	DCPA12
cis- 1,3-Dichloropropene	DCP13C
trans- 1,3-Dichloropropene	DCP13T
Di-isopropylether (DIPE)	DIPE
Ethanol	ETHANOL
Ethyltertiary butyl ether	ETBE
Ethylbenzene	EBZ
2-Hexanone (Methyl butyl ketone)	HXO2
Hexachlorobutadiene	HCBU
Methyl bromide (Bromomethane)	BRME
Methyl chloride (Chloromethane)	CLME

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TABLE III
MONITORING PARAMETERS FOR DETECTION MONITORING

Continued

Methylene bromide (Dibromomethane)	DBMA
Methylene chloride (Dichloromethane)	DCMA
Methyl ethyl ketone (MEK: 2-Butanone)	MEK
Methyl iodide (Iodomethane)	IME
Methyl t-butyl ether	MTBE
4-Methyl-2-pentanone (Methyl isobutylketone)	MIBK
Naphthalene	NAPH
Styrene	STY
Tertiary amyl methyl ether	TAME
Tertiary butyl alcohol	TBA
1,1,1,2-Tetrachloroethane	TC1112
1,1,2,2-Tetrachloroethane	PCA
Tetrachloroethylene (Tetrachloroethene; Perchloroethylene)	PCE
Toluene	BZME
1,2,4-Trichlorobenzene	TCB124
1,1,1-Trichloroethane (Methylchloroform)	TCA111
1,1,2-Trichloroethane	TCA112
Trichloroethylene (Trichloroethene)	TCE
Trichlorofluoromethane (CFC- 11)	FC11
1,2,3-Trichloropropane	TCPR123
Vinyl acetate	VA
Vinyl chloride	VC
Xylenes	XYLENES

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TABLE IV
5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

<u>Inorganics (dissolved):</u>	<u>USEPA Method</u>	<u>GeoTracker Code</u>
Aluminum	200.8	AL
Antimony	200.8	SB
Barium	200.8	BA
Beryllium	200.8	BE
Cadmium	200.8	CD
Chromium	200.8	CR
Cobalt	200.8	CO
Copper	200.8	CU
Silver	200.8	AG
Tin	200.8	SN
Vanadium	200.8	V
Zinc	200.8	ZN
Iron	200.8	FE
Manganese	200.8	MN
Arsenic	200.8	AS
Lead	200.8	PB
Mercury	245.1	HG
Nickel	200.8	NI
Selenium	200.8	SE
Thallium	200.8	TL
Cyanide	SM ¹ 4500-CM	CN
Sulfide	SM 4500-SF	S

Volatile Organic Compounds, extended list (USEPA Method 8260B):

<u>COC Description</u>	<u>GeoTracker Code</u>
Acetone	ACE
Acetonitrile (Methyl cyanide)	ACCN
Acrolein	ACRL
Acrylonitrile	ACRAMD
Allyl chloride (3-Chloropropene)	CLPE3
Benzene	BZ
Bromochloromethane (Chlorobromomethane)	BRCLME
Bromodichloromethane (Dibromochloromethane)	DBCME
Bromoform (Tribromomethane)	TBME
Carbon disulfide	CDS
Carbon tetrachloride	CTCL
Chlorobenzene	CLBZ
Chloroethane (Ethyl chloride)	CLEA
Chloroform (Trichloromethane)	TCLME
Chloroprene	CHLOROPRENE
Dibromochloromethane (Chlorodibromomethane)	DBCME
1,2-Dibromo-3-chloropropane (DBCP)	DBCP
1,2-Dibromoethane (Ethylene dibromide; EDB)	EDB
o-Dichlorobenzene (1,2-Dichlorobenzene)	DCBZ12

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TABLE IV

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

m-Dichlorobenzene (1,3-Dichlorobenzene)	DCBZ13
p-Dichlorobenzene (1,4-Dichlorobenzene)	DCBZ14
trans- 1,4-Dichloro-2-butene	DCBE14T
Dichlorodifluoromethane (CFC 12)	FC12
1,1 -Dichloroethane (Ethylidene chloride)	DCA11
1,2-Dichloroethane (Ethylene dichloride)	DCA12
1,1 -Dichloroethylene (1, l-Dichloroethene; Vinylidene chloride)	DCE11
cis- 1,2-Dichloroethylene (cis- 1,2-Dichloroethene)	DCE12C
trans- 1,2-Dichloroethylene (trans- 1,2-Dichloroethene)	DCE12T
1,2-Dichloropropane (Propylene dichloride)	DCPA12
1,3-Dichloropropane (Trimethylene dichloride)	DCPA13
2,2-Dichloropropane (Isopropylidene chloride)	DCPA22
1,1 -Dichloropropene	DCP11
cis- 1,3-Dichloropropene	DCP13C
trans- 1,3-Dichloropropene	DCP13T
Di-isopropylether (DIPE)	DIPE
Ethanol	ETHANOL
Ethyltertiary butyl ether	ETBE
Ethylbenzene	EBZ
Ethyl methacrylate	EMETHACRY
Hexachlorobutadiene	HCBU
2-Hexanone (Methyl butyl ketone)	HXO2
Isobutyl alcohol	ISOBTOH
Methacrylonitrile	METHACRN
Methyl bromide (Bromomethane)	BRME
Methyl chloride (Chloromethane)	CLME
Methyl ethyl ketone (MEK; 2-Butanone)	MEK
Methyl iodide (Iodomethane)	IME
Methyl t-butyl ether	MTBE
Methyl methacrylate	MMTHACRY
4-Methyl-2-pentanone (Methyl isobutyl ketone)	MIBK
Methylene bromide (Dibromomethane)	DBMA
Methylene chloride (Dichloromethane)	DCMA
Naphthalene	NAPH
Propionitrile (Ethyl cyanide)	PACN
Styrene	STY
Tertiary amyl methyl ether	TAME
Tertiary butyl alcohol	TBA
1,1,1,2-Tetrachloroethane	TC1112
1,1,2,2-Tetrachloroethane	PCA
Tetrachloroethylene (Tetrachloroethene; Perchloroethylene; PCE)	PCE
Toluene	BZME
1,2,4-Trichlorobenzene	TCB124
1,1,1 -Trichloroethane (Methylchloroform)	TCA111
1,1,2-Trichloroethane	TCA112
Trichloroethylene (Trichloroethene; TCE)	TCE
Trichlorofluoromethane (CFC- 11)	FC11

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TABLE IV

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

1,2,3-Trichloropropane	TCPR123
Vinyl acetate	VA
Vinyl chloride (Chloroethene)	VC
Xylene (total)	XYLENES

Semi-Volatile Organic Compounds (USEPA Method 8270C or D - base, neutral, & acid extractables):

Acenaphthene	ACNP
Acenaphthylene	ACNPY
Acetophenone	ACPHN
2-Acetylaminofluorene (2-AAF)	ACAMFL2
Aldrin	ALDRIN
4-Aminobiphenyl	AMINOBP4
Anthracene	ANTH
Benzo[a]anthracene (Benzanthracene)	BZAA
Benzo[b]fluoranthene	BZBF
Benzo[k]fluoranthene	BZKF
Benzo[g,h,i]perylene	BZGHIP
Benzo[a]pyrene	BZAP
Benzyl alcohol	BZLAL
Bis(2-ethylhexyl) phthalate	BIS2EHP
alpha-BHC	BHCALPHA
beta-BHC	BHCBETA
delta-BHC	BHCDELTA
gamma-BHC (Lindane)	BHCGAMMA
Bis(2-chloroethoxy)methane	BECEM
Bis(2-chloroethyl) ether (Dichloroethyl ether)	BIS2CEE
Bis(2-chloro-1-methylethyl) ether (Bis(2-chloroisopropyl) ether; DCIP)	BIS2CIE
4-Bromophenyl phenyl ether	BPPE4
Butyl benzyl phthalate (Benzyl butyl phthalate)	BBP
Chlordane	CHLORDANE
p-Chloroaniline	CLANIL4
Chlorobenzilate	CLBZLATE
p-Chloro-m-cresol (4-Chloro-3-methylphenol)	C4M3PH
2-Chloronaphthalene	CNPH2
2-Chlorophenol	CLPH2
4-Chlorophenyl phenyl ether	CPPE4
Chrysene	CHRYSENE
o-Cresol (2-methylphenol)	MEPH2
m-Cresol (3-methylphenol)	MEPH3
p-Cresol (4-methylphenol)	MEPH4
4,4'-DDD	DDD44
4,4'-DDE	DDE44
4,4'-DDT	DDT44
Diallate	DIALLATE

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TABLE IV

5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

Dibenz[a,h]anthracene	DBAHA
Dibenzofuran	DBF
Di-n-butyl phthalate	DNBP
3,3'-Dichlorobenzidine	DBZD33
2,4-Dichlorophenol	DCP24
2,6-Dichlorophenol	DCP26
Dieldrin	DIELDRIN
Diethyl phthalate	DEPH
p-(Dimethylamino)azobenzene	PDMAABZ
7,12-Dimethylbenz[a]anthracene	DMBZA712
3,3'-Dimethylbenzidine	DMBZD33
2,4-Dimethylphenol (m-Xylenol)	DMP24
Dimethyl phthalate	DMPH
m-Dinitrobenzene	DNB13
4,6-Dinitro-o-cresol (4,6-Dinitro-2-methylphenol)	DN46M
2,4-Dinitrophenol	DNP24
2,4-Dinitrotoluene	DNT24
2,6-Dinitrotoluene	DNT26
Di-n-octyl phthalate	DNOP
Diphenylamine	DPA
Endosulfan I	ENDOSULFANA
Endosulfan II	ENDOSULFANB
Endosulfan sulfate	ENDOSULFANS
Endrin	ENDRIN
Endrin aldehyde	ENDRINALD
Ethyl methanesulfonate	EMSULFN
Famphur	FAMPHUR
Fluoranthene	FLA
Fluorene	FL
Heptachlor	HEPTACHLOR
Heptachlor epoxide	HEPT-EPOX
Hexachlorobenzene	HCLBZ
Hexachlorocyclopentadiene	HCCP
Hexachloroethane	HCLEA
Hexachloropropene	HCPR
Indeno(1,2,3-c,d)pyrene	INP123
Isodrin	ISODRIN
Isophorone	ISOP
Isosafrole	ISOSAFR
Kepone	KEP
Methapyrilene	MTPYRLN
Methoxychlor	MTXYCL
3-Methylcholanthrene	MECHLAN3
Methyl methanesulfonate	MMSULFN
2-Methylnaphthalene	MTNPH2
1,4-Naphthoquinone	NAPHQ14
1-Naphthylamine	AMINONAPH1

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5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

2-Naphthylamine	AMINONAPH2
o-Nitroaniline (2-Nitroaniline)	NO2ANIL2
m-Nitroaniline (3-Nitroaniline)	NO2ANIL3
p-Nitroaniline (4-Nitroaniline)	NO2ANIL4
Nitrobenzene	NO2BZ
o-Nitrophenol (2-Nitrophenol)	NTPH2
p-Nitrophenol (4-Nitrophenol)	NTPH4
N-Nitrosodi-n-butylamine (Di-n-butylNitrosamine)	NNSBU
N-Nitrosodiethylamine (DiethylNitrosamine)	NNSE
N-Nitrosodimethylamine (DimethylNitrosamine)	NNSM
N-Nitrosodiphenylamine (DiphenylNitrosamine)	NNSPH
N-Nitrosodipropylamine (N-Nitroso-N-dipropylamine; Di-n-propylNitrosamine)	NNSPR
N-Nitrosomethylethylamine (MethylethylNitrosamine)	NNSME
N-Nitrosopiperidine	NNSPRD
N-Nitrosopyrrolidine	NNSPYRL
5-Nitro-o-toluidine	TLDNONT5
Pentachlorobenzene	PECLBZ
Pentachloronitrobenzene (PCNB)	PECLNO2BZ
Pentachlorophenol	PCP
Phenacetin	PHNACTN
Phenanthrene	PHAN
Phenol	PHENOL
p-Phenylenediamine	ANLNAM4
Polychlorinated biphenyls (PCBs; Aroclors)	PCBS
Pronamide	PRONAMD
Pyrene	PYR
Safrole	SAFROLE
1,2,4,5-Tetrachlorobenzene	C4BZ1245
2,3,4,6-Tetrachlorophenol	TCP2346
o-Toluidine	TLDNO
Toxaphene	TOXAP
2,4,5-Trichlorophenol	TCP245
0,0,0-Triethyl phosphorothioate	TEPTH
sym-Trinitrobenzene	TNB135

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TABLE IV
5-YEAR COCs & APPROVED USEPA ANALYTICAL METHODS

Continued

Chlorophenoxy Herbicides (USEPA Method 8151A):

2,4-D (2,4-Dichlorophenoxyacetic acid)	24D
Dinoseb (DNBP; 2-sec-Butyl-4,6-dinitrophenol)	DINOSEB
Silvex (2,4,5-Trichlorophenoxypropionic acid; 2,4,5-TP)	SILVEX
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	245T

Organophosphorus Compounds (USEPA Method 8141B):

Atrazine	ATRAZINE
Chlorpyrifos	CLPYRIFOS
0,0-Diethyl 0-2-pyrazinyl phosphorothioate (Thionazin)	ZINOPHOS
Diazinon	DIAZ
Dimethoate	DIMETHAT
Disulfoton	DISUL
Methyl parathion (Parathion methyl)	PARAM
Parathion	PARAE
Phorate	PHORATE
Simazine	SIMAZINE

¹ Standard Methods

Exhibit G

County Holidays

The following lists all holiday dates the County of Fresno Public Works and Planning – Resources Division will be closed:

1. New Year's Day – January 1st *
2. Martin Luther King, Jr. Day – 3rd Monday in January
3. President's Day – 3rd Monday in February
4. Cesar Chavez Day – March 31st *
5. Memorial Day – last Monday in May
6. Independence Day – July 4th *
7. Labor Day – first Monday in September
8. Veteran's Day – November 11th *
9. Thanksgiving Day – 4th Thursday in November and the Friday immediately following
10. Christmas Day – December 25th *

*If January 1st, March 31st, July 4th, November 11th, or December 25th fall on a Sunday, the County will be closed the following Monday.

*If January 1st, March 31st, July 4th, November 11th, or December 25th fall on a Saturday, the County will be closed the preceding Friday.