BEFORE THE DIRECTOR OF THE
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

In the Matter of: Cave Creek Landfill located at 8.3 miles east of I-17, approximately ½ mile south of Carefree Highway, Phoenix, Maricopa County, Arizona

ADEQ Place ID #1169

AMENDMENT # 1 TO
CONSENT ORDER
Docket No. S-2-10

I. RECITALS

A. Maricopa County, a political subdivision of the State of Arizona (Maricopa County), is the owner and/or operator of Cave Creek Landfill located at 8.3 miles east of I-17, approximately ½ mile south of Carefree Highway, Phoenix, Maricopa County, Arizona.

B. Clint Hickman is Chairman of the Maricopa County Board of Supervisors and Maricopa County certifies that he is fully authorized to execute this Amendment #1 to Consent Order S-2-10 on behalf of Maricopa County and to legally bind Maricopa County to this Amendment #1 to Consent Order S-2-10.

C. Arizona Department of Environmental Quality (ADEQ) and Maricopa County entered into Consent Order S-2-10, effective on January 19, 2010.

D. On May 19, 2016, Maricopa County requested a change in the frequency and content of required written status reports to better reflect the current status of the remedial activities taking place at the site.

E. Maricopa County and ADEQ agree to amend Consent Order S-2-10 as stated herein.

NOW, THEREFORE, in consideration of the mutual promises and covenants herein contained, and other good and valuable consideration, the adequacy and sufficiency of which is hereby acknowledged, the parties agree as follows:

II. INCORPORATION OF RECITALS

The Recitals hereinabove are incorporated in this Amendment #1 to Consent Order S-2-10 and made a part hereof by this reference.

Initials C H
III. STATUS REPORTS
A. On Consent Order S-2-10, Section IV, paragraphs A and B are stricken in their entirety and the following is inserted:

A. Maricopa County agrees to submit quarterly written status reports to ADEQ every ninety (90) calendar days, beginning the effective date of this Amendment #1 to Consent Order S-2-10, until termination of Consent Order S-2-10. Each quarterly status report shall describe what measures have been taken to implement the Remedial Action Plan (RAP) and shall include soil vapor extraction (SVE) operation reporting, groundwater treatment operation reporting, groundwater monitoring data, and a Gantt chart depicting progress on the remedial activities detailed in Table 8-2 of the RAP. Each quarterly status report shall be accompanied by evidence of compliance including, as appropriate, submittal of documents, photographs or copies of any other supporting information that Maricopa County deems necessary.

B. ADEQ will review the quarterly status report and relay any disputes in writing to Maricopa County. Maricopa County shall incorporate all required modifications, changes or other alterations, as requested by ADEQ.

III. EFFECTIVE DATE
The effective date of this Amendment #1 to Consent Order S-2-10 is the date this Amendment is signed by ADEQ and Maricopa County. If ADEQ and Maricopa County sign on different dates, the later date is the effective date of this Amendment.

IV. AMENDMENT
The foregoing paragraphs contain all the changes made by this Amendment #1 to Consent Order S-2-10. All other terms and conditions of Consent Order S-2-10 remain the same and in full force and effect. If there is a discrepancy between the provisions of this Amendment #1 to Consent Order S-2-10 and Consent Order S-2-10, the provisions of this Amendment #1 to Consent Order S-2-10 shall control.
CONSENT TO ORDER

Maricopa County acknowledges and agrees:
A. With the statements made,
B. To this Amendment #1 to Consent Order S-2-10 with the Arizona Department of Environmental Quality,
C. That Maricopa County will comply with this Amendment #1 to Consent Order S-2-10 and waive any right to appeal, and
D. That the Consent Order S-2-10 shall remain in full force and effect, except as modified by this Amendment #1 to Consent Order S-2-10.

Signed this 27th day of September, 2016.

Maricopa County

Chint Hickman
Chairman of the Board

ATTEST:

Clerk of the Board 09-07-16

Approved As To Form:

Deputy County Attorney

-3-
ORIGINAL of this Amendment #1 to Consent Order S-2-10 was sent certified mail, return receipt requested, this 28th day of September, 2016, to:

CC: Via certified mail, return receipt requested on:

Clint Hickman, Chairman
Maricopa County Board of Supervisors
301 W. Jefferson St.
10th Floor
Phoenix, 85003

CC: on:
Arizona Department of Environmental Quality
Office of Administrative Counsel
Attention: Hearing Administrator
1110 West Washington Street
Phoenix, Arizona 85007-2935

Curtis Cox, Chief Counsel
Environmental Enforcement Section
Office of the Attorney General
1275 West Washington Street
Phoenix AZ, 85007

Richard Olm, P.E.
Arizona Department of Environmental Quality
Hazardous and Solid Waste Section
Waste Programs Division
1110 West Washington Street
Phoenix, AZ 85007
BEFORE THE DIRECTOR OF THE
ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

In the Matter of:

Cave Creek Landfill located at 8.3 miles east of
I-17 approximately 1/2 mile south of Carefree
Highway Phoenix, Maricopa, Arizona

Azurite Place ID 1169

CONSENT ORDER

Docket No. 52-2-10

Maricopa County in its capacity as owner and/or operator of Cave Creek Landfill located at 8.3 miles east of I-17 approximately 1/2 mile south of Carefree Highway, Phoenix, Maricopa, Arizona.

RECITALS

Maricopa County acknowledges that no promise of any kind or nature whatsoever, was made to induce it to enter into this Consent Order, and Maricopa County has done so voluntarily.

Maricopa County acknowledges that by entering into this Consent Order, it does not resolve any liability it may have for civil penalties for violations of any State or Federal environmental law.

By entering into this Consent Order, Maricopa County does not admit to any civil or criminal liability, or waive any right including but not limited to the assertion of any defense available to Maricopa County under applicable law. Further, Maricopa County does not admit, and both the Arizona Department of Environmental Quality (ADEQ) and Maricopa County retain the right to controvert in any subsequent proceeding except proceeding to implement or enforce this Consent Order, the validity of any Findings of Fact or Conclusions of Law contained in this Consent Order.

Initials

[Signatures]
The undersigned representative of Maricopa County certifies that he is fully authorized to execute this Consent Order on behalf of Maricopa County and to legally bind Maricopa County to this Consent Order.

Maricopa County admits to the jurisdiction of the Director of ADEQ.

Except as to the right to controvert the validity of any Findings of Fact or Conclusion of Law contained in this Consent Order in a proceeding other than to enforce this Consent Order, Maricopa County consents to the terms and entry of this Consent Order and agrees not to contest the validity or terms of this Consent Order in any subsequent proceeding.

THEREFORE, IT IS HEREBY ORDERED as follows:

I. JURISDICTION

The Director of ADEQ has jurisdiction over the subject matter of this action and is authorized to issue this Consent Order pursuant to the Arizona Revised Statutes (A.R.S.) §§ 41-1092.07(F)(5), 49-261, and 49-781.

II. FINDINGS

THE DIRECTOR HEREBY MAKES THE FOLLOWING FINDINGS OF FACT AND CONCLUSIONS OF LAW:

A. Findings of Fact

1. The Cave Creek Landfill is owned and operated by Maricopa County and is located approximately one-half mile south of Carefree Highway, about three miles west of Cave Creek Road, and 8 miles east of Interstate 17 in Phoenix, Arizona, Maricopa County.

2. During the May 11, 1998, routine inspection of the facility, the Solid Waste Inspections and Compliance Unit (SWICU) observed from the groundwater monitoring results of landfill monitoring well MW1 0.005 milligrams per liter (mg/L) of trichloroethylene (TCE) which exceeds Aquifer Water Quality Standards (AWQS) and at 0.015 mg/L in December 1997.
3. During the May 11, 1998, inspection, the SWICU also observed that the facility did not place a notice of the exceedence in their operating record; did not notify ADEQ of the exceedence; and did not establish a monitoring program or demonstrate that the exceedence was caused by some condition other than the landfill within ninety (90) days of detecting the exceedence.

4. A Notice of Violation (NOV) was issued to Maricopa County on July 1998, alleging violations observed during the inspection.

5. Additional groundwater monitoring conducted on May 28, 1998, and July 28, 1998, illustrated 0.089 mg/L and 0.085 mg/L TCE in monitoring wells MW1 and MW2.

6. On September 16, 1998, and October 23, 1998, the SWICU received a letter from Maricopa County indicating that the groundwater levels in MW1 and MW2 were too low to obtain adequate samples.

7. On November 17, 1998, and March 26, 1999, Maricopa County obtained groundwater samples from a production well located at the north end of the landfill and MW-2 which indicated 0.012 mg/L and 0.017 mg/L of TCE and 0.007 mg/L and 0.063 mg/L of TCE, respectively. Maricopa County was unable to sample groundwater monitoring wells MW1 due to continued low groundwater levels on November 17, 1998.

8. On August 15, 1999, Maricopa County entered into an administrative order (Docket #S-189-99) with ADEQ that required Maricopa County to characterize the nature and source of groundwater contamination. This consent order allowed Maricopa County an opportunity to demonstrate that the landfill was not a source of the TCE contamination.

9. Maricopa County did not submit a plan to install a new monitoring well or other means of collecting down gradient water samples after determining that there was insufficient water in the monitoring wells to collect adequate samples. Instead, Maricopa County
was actively working to towards demonstrating that the contamination was a result of another
landfill north of the Cave Creek Landfill that had been closed since the 1970s.

10. On October 14, 1999, the SWICU sent a letter to Maricopa County
notifying it that they did not adequately demonstrate that the TCE contamination in groundwater
at that landfill was the result of a source other than the Cave Creek Landfill.

11. On June 28, 2005, Maricopa County entered into Consent Order (Docket #
S-102-05) with ADEQ that required the characterization and remediation of the contamination.

12. On August 26, 2005, Maricopa County submitted Maricopa County
Waste Management Cave Creek Landfill Groundwater Characterization Plan, (Work Plan)
dated August 26, 2005.

13. On December 31, 2005, Maricopa County sent ADEQ a letter requesting
approval of the Work Plan and the proposed location of the additional ground water monitoring
well. This new well was proposed as part of the Work Plan, as required by Section III of Consent
Order, docket number S-102-05.

14. On August 31, 2006, ADEQ sent a letter to Maricopa County approving
the location of the proposed groundwater monitoring well (MW-3). The letter also requested that
Maricopa County submit a modified Work Plan including procedures and timeframes for
submitting an alternative well location(s) in the event that sampling of MW-3 did not provide
conclusive information regarding the extent of groundwater contamination.

15. On November 5, 2008, Maricopa County submitted Maricopa County Risk
Management Department, Cave Creek Landfill Groundwater Remedial Action Plan, (RAP)
dated September 25, 2008. ADEQ had not received the modified Work Plan; therefore, ADEQ
had not approved the Work Plan, nor had Maricopa County submitted a Groundwater
Characterization Report, as required by Consent Order Docket S-102-05, Section III.
16. On January 29, 2009, ADEQ and representatives of Maricopa County met to discuss the RAP and the Work Plan.

20. On February 13, 2009, the Solid Waste Plan Review Unit (SWPRU) sent a letter to Maricopa County explaining that the submittal of the RAP was premature. The letter outlined the required information including groundwater flow directions, volatile organic compounds distribution, groundwater monitoring well locations, and hydrogeologic conditions of the vicinity of the landfill prior to beginning remedial alternative evaluation.

22. On May 11, 2009, Maricopa County submitted the Addendum to the Cave Creek Landfill Groundwater Characterization Work Plan. On May 13, 2009, ADEQ notified Maricopa County in writing of their approval of the Work Plan and the proposed schedule.

B. Conclusions of Law

1. Cave Creek Landfill accepted household solid waste as defined in A.R.S. § 49-701(14) and 40 CFR § 258.2, incorporated by into state law by A.R.S. § 49-761(B), and is a municipal solid waste landfill as defined in A.R.S. § 49-701(20) and 40 CFR § 258.2.

2. Cave Creek Landfill ceased accepting waste in 1999 and is a closed solid waste facility as defined in A.R.S. § 49-701.3.

3. The AWQS for TCE is 0.005 ppm as established by A.A.C. R18-11-406(C).

4. Maricopa County violated 40 CFR § 258.54(e) incorporated by A.R.S. § 49-761(B) by failing to begin assessment monitoring within 90 days of detecting a statistically significant exceedence of TCE over background levels, and by failing to successfully demonstrate within 90 days that a source other than the landfill caused the contamination.

5. Maricopa County violated 40 CFR § 258.55(g)(1)(i-ii) incorporated by A.R.S. § 49-761(B) by failing to characterize the nature and extent of groundwater...
contamination by installing a least one additional monitoring-well at the facility boundary in the
direction of contaminant migration.

6. Maricopa County violated 40 CFR § 258.55(g)(iv) and 40 CFR § 258.56 incorporated by A.R.S. § 49-761(B) by failing to initiate assessment of corrective actions within 90 days of finding a statistically significant level of TCE exceeding AWQS.

III. COMPLIANCE SCHEDULE

THE DIRECTOR HEREBY ORDERS and Maricopa County agrees to comply with the provisions of this Consent Order as follows:

A. Within ninety (90) calendar days of receipt of ADEQ’s approval of the revised Work Plan, Maricopa County must implement the activities as described within the revised Work Plan. Good faith attempts by Maricopa County to secure legal access to properties owned by third parties will be considered initiation of the activities as described in the revised Work Plan.

B. Within one-hundred-twenty (120) calendar days of completion of the activities of the revised Work Plan and written evidence that ADEQ agrees that groundwater characterization is complete, Maricopa County shall submit a report that includes the following information:

1. The results of all tasks and deliverables included in the Work Plan that assess the nature, source and extent of groundwater contamination; and

2. A revised RAP that evaluates the potential corrective measures in accordance with 40 CFR § 258.56 and, based on this evaluation, lists proposed remedies that meet the standards described in 40 CFR § 258.57(d)(1) through (8).

   a. The revised RAP shall addresses any deficiencies of the September 2008, RAP, as noted in SWPRU’s February 13, 2009, letter that were not addressed in the revised Work Plan.
b. If any deficiencies are noted in ADEQ's review of the RAP, Maricopa County shall address these deficiencies within the reasonable time frames established by ADEQ.

D. Within sixty (60) calendar days from ADEQ's approval of the revised RAP, Maricopa County must present the results of the corrective measures assessment, prior to the selection of a remedy, in a public meeting with interested and affected parties. The public meeting shall be scheduled at a time that is mutually agreeable between ADEQ and Maricopa County.

E. Within sixty (60) calendars days from the date of the public meeting, Maricopa County shall propose a remedy with a schedule for initiating and completing remedial activities pursuant to 40 CFR § 258.57(d)(1). If any deficiencies are noted during the review of the proposed remedy, Maricopa County must address these deficiencies during within reasonable time frames established by ADEQ. Upon receipt of ADEQ's approval of the remedy selection and schedule the selected remedy shall be incorporated by reference into and enforceable under this order.

IV. STATUS REPORTS

A. Maricopa County agrees to submit a written status report to ADEQ every thirty (30) calendar days beginning thirty (30) days from the effective date of this Consent Order, until termination of this Consent Order. Each written status report shall describe what measures have been taken under Section III, of this Consent Order, and shall certify when compliance with the requirements of Section III of this Order has been achieved. Each report shall be accompanied by evidence of compliance including, as appropriate, submittal of documents, photographs or copies of any other supporting information that Maricopa County deems necessary.
B. ADEQ will review the status reports and relay any disputes in writing to Maricopa County. Maricopa County shall incorporate all required modifications, changes or other alterations, as requested by ADEQ, within a reasonable time specified by ADEQ.

V. VIOLATIONS OF ORDER/STIPULATED PENALTIES

A. Under A.R.S. § 49-783, violation of this Consent Order subjects Maricopa County to civil penalties of up to $1,000 per day per violation not to exceed fifteen thousand dollars for each violation. ADEQ and Maricopa County agree that the calculation of civil penalties for violation of this Consent Order would be very difficult.

B. ADEQ and Maricopa County therefore agree that if Maricopa County fails to comply with any requirement of this Consent Order, Maricopa County shall pay a stipulated penalty pursuant to the schedule below:

<table>
<thead>
<tr>
<th>Period of Failure to Comply</th>
<th>Penalty Per Day of Violation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st to 30th day</td>
<td>$200 per day per violation</td>
</tr>
<tr>
<td>31st to 60th day</td>
<td>$300 per day per violation</td>
</tr>
<tr>
<td>After 60 days</td>
<td>Statutory Maximum ($15,000)</td>
</tr>
</tbody>
</table>

C. Except as otherwise provided herein, stipulated penalties shall begin to accrue on the day that performance is due or that a violation of this Consent Order occurs and shall continue to accrue until correction of the act of noncompliance is completed. Neither issuance by ADEQ nor receipt by Maricopa County of a Notice of Violation of the terms and conditions of this Consent Order are conditions precedent to the accrual of stipulated penalties.

D. Stipulated penalty payments shall be made pursuant to a civil settlement (e.g., Consent Judgment) with ADEQ filed in a court of competent jurisdiction. If ADEQ and Maricopa County are unable to reach agreement for payment of stipulated penalties under a civil settlement, or if Maricopa County fails to make payment of stipulated penalties due under a civil
settlement, ADEQ may file a civil action seeking the maximum civil penalty allowed under Federal or State law for violation of this Consent Order.

E. The stipulated penalties required by this Consent Order shall be in addition to other remedies or sanctions available to ADEQ by reason of any failure by Maricopa County to comply with the requirements of Federal or State laws. The payment of stipulated penalties shall not relieve Maricopa County from compliance with the terms and conditions of this Consent Order or Federal or State laws, nor limit the authority of the State to require compliance with the Consent Order or State law.
VI. COMPLIANCE WITH OTHER LAWS

A. This Consent Order does not encompass issues regarding releases, contamination, sources, operations, facilities or processes not expressly covered by the terms of this Consent Order, and is without prejudice to the rights of the State of Arizona or Maricopa County, arising under any federal or Arizona environmental statutes and rules with regard to such issues.

B. Nothing in this Consent Order shall constitute a permit of any kind, or a modification of any permit of any kind, or an agreement to issue a permit of any kind under federal, state or local law, or relieve Maricopa County in any manner of its obligation to apply for, obtain, and comply with all applicable permits. Nothing in this Consent Order shall in any way alter, modify or revoke federal, state, or local law, or relieve Maricopa County in any manner of its obligation to comply with such laws. Compliance with the terms of this Consent Order shall not be a defense to any action to enforce any such permits or laws.

VII. FORCE MAJEURE

A. Maricopa County shall perform all the requirements of this Consent Order according to the time limits set forth herein, unless performance is prevented or delayed by events which constitute a force majeure. Force majeure, for the purposes of this Consent Order, is defined as any event, arising from causes beyond the control of Maricopa County or its authorized representatives which delays or prevents the performance of any obligation under this Consent Order and which could not have been overcome or prevented by Maricopa County. The financial inability of Maricopa County to comply with the terms of this Consent Order, shall not constitute a force majeure.

B. In the event of a force majeure, the time for performance of the activity affected by the force majeure shall be determined by ADEQ and extended for a period no longer than the delay caused by the force majeure. The time for performance of any activity dependent on the delayed activity shall be similarly extended. In the event of a force majeure, Maricopa County
shall notify ADEQ in writing within five (5) calendar days after Maricopa County or its agents become aware of the occurrence. The written notice provided to ADEQ shall describe in detail the event, the anticipated delay, the measures taken and to be taken by Maricopa County to prevent or minimize delay, and a proposed timetable under which those measures will be implemented. Maricopa County shall take all reasonable measures to prevent or minimize any delay caused by the force majeure. Failure of Maricopa County to comply with any requirements of this paragraph for a particular shall preclude Maricopa County from asserting any claim of force majeure for that event.

VIII. SITE ACCESS

ADEQ may at any time, upon presentation of credentials to authorized personnel on duty, enter upon the premises at the Facility for the purpose of observing and monitoring compliance with the provisions of this Consent Order. This right of entry shall be in addition to, and not in limitation of or substitution for, ADEQ's rights under applicable law.

IX. CORRESPONDENCE

All documents, materials, plans, notices, or other items submitted as a result of this Consent Order shall be transmitted to the addresses specified below:

To ADEQ:

Arizona Department of Environmental Quality
Waste Programs Division
Attention: Solid Waste Inspections and Compliance Unit
1110 West Washington Street
Phoenix, Arizona 85007-2935
Telephone: (602) 771-4673

To Maricopa County:

Maricopa County Department of Solid Waste
Attn: Division Manager
2801 West Durango Street
Phoenix, Arizona 85009
Telephone: (602) 506-7336

Submissions to ADEQ as a result of this Consent Order shall be deemed submitted upon receipt.
X. RESERVATION OF RIGHTS

A. This Consent Order is based solely upon currently available information. If additional information is discovered, which indicates that the actions taken under this Consent Order are or will be inadequate to protect human health, safety, or the environment, or to conform with applicable federal or state laws, ADEQ shall have the right to require further action.

B. ADEQ shall have the right: to pursue civil penalties for violations of any and all violations of A.R.S. Title 49, or the rules promulgated thereunder, occurring before entry of this Consent Order; to disapprove of work performed by Maricopa County that fails to comply with this Consent Order; to take enforcement action for any and all violations of this Consent Order; and to take enforcement action for any and all violations of A.R.S. Title 49, or the rules promulgated thereunder, occurring after the entry of this Consent Order.

XI. SEVERABILITY

The provisions of this Consent Order are severable. If any provision of this Consent Order is declared by a court of law to be invalid or unenforceable, all other provisions of this Consent Order shall remain in full force and effect.

XII. MODIFICATIONS

Any modifications of this Consent Order shall be in writing and must be approved by both Maricopa County and ADEQ.

XIII. EFFECTIVE DATE

The effective date of this Consent Order shall be the date this Consent Order is signed by ADEQ and Maricopa County. If such signatures occur on different dates, the later date shall be the effective date of this Consent Order.
XIV. PARTIES BOUND

No change in ownership, corporate status, or partnership status relating to the subject of this Consent Order will in any way alter the responsibilities of Maricopa County under this Consent Order. Maricopa County will be responsible, and will remain responsible, for carrying out all activities required under this Consent Order.

XV. TERMINATION

The provisions of this Consent Order shall be deemed satisfied and this Consent Order shall be terminated upon receipt of written notification from ADEQ that Maricopa County has demonstrated, to the satisfaction of ADEQ, that all of the terms of this Consent Order have been completed. Any denial of a request for termination from Maricopa County will be in writing and describe which terms of the Consent Order have not been completed to the satisfaction of ADEQ. ADEQ reserves the right to terminate this Consent Order unilaterally at any time for any reason. Any termination will include a written explanation of the reason(s) for termination.

ISSUED this _______ day of January, 2010.

Amanda E. Stone, Director
Waste Programs Division
Arizona Department of Environmental Quality
CONSENT TO ORDER

The undersigned, on behalf of Maricopa County, hereby acknowledges that [he/she] has read the foregoing Consent Order in its entirety, agrees with the statements made therein, consents to its entry and issuance by the Arizona Department of Environmental Quality, agrees that Maricopa County will abide by the same and waive any right to appeal therefrom.

DATED this 15 day of Dec., 2009.

Max Wilson, Chairman, BOS
Maricopa County

ORIGINAL of the foregoing Consent Order was sent certified mail, return receipt requested, this 19 day of January, 2010 to:

Max Wilson, Chairman, BOS
Maricopa County
301 West Jefferson Street
10th Floor
Phoenix, Arizona 85003
COPY of the foregoing Consent Order was filed this 19 day of January, 2023 with:

Arizona Department of Environmental Quality
Office of Administrative Counsel
Attention: Judith Fought, Hearing Administrator
1110 West Washington Street
Phoenix, Arizona  85007-2935

COPIES of the foregoing Consent Order were sent by regular/interdepartmental mail, this 19 day of January, 2023 to the following:

Tamara Huddleston, Chief Counsel
Environmental Enforcement Section, Office of the Attorney General

Mindi Cross, Manager
Solid Waste Inspections and Compliance Unit