



19 de febrero de 2026

Por e-mail

Sr. David Nguyen
Obras Públicas del Condado de Los Ángeles
900 S. Fremont Avenue
Alhambra, CA 91803
dnguyen@pw.lacounty.gov

Ref.: Vertedero de Chiquita Canyon - Informe de la Condición No. 69 del CUP

Estimado Sr. Nguyen:

La Condición 69 del Permiso de Uso Condicional ("CUP") de Chiquita Canyon, LLC ("Chiquita") requiere que al recibir cuatro Aviso de Violación ("NOVs") relacionados con la calidad del aire en un mismo año calendario, Chiquita debe presentar un informe a Obras Públicas ("PW") del Condado de Los Ángeles dentro de los 30 días después del cuarto NOV, explicando el NOV y los pasos tomados para tratarlo. Chiquita además debe proporcionar este informe dentro de los 30 días desde que recibe cualquier NOV adicional relacionado con el aire dentro del mismo año calendario.

En 2026, el Distrito de Gestión de la Calidad del Aire de la Costa Sur ("South Coast AQMD") emitió a Chiquita cuatro NOVs relacionadas con la calidad del aire, activando la obligación de Chiquita de proporcionar un informe bajo la Condición 69 del CUP. Específicamente, el AQMD de la Costa Sur le emitió NOVs a Chiquita por violaciones a la Regla 402 del AQMD de la Costa Sur y al Código de Salud y Seguridad de California ("HSC") § 41700, el 2 y el 20 de enero de 2026. Este informe también cubre las posteriores NOVs de la Regla 402 emitidas por el AQMD de la Costa Sur de enero y febrero de 2026. Se proporcionan copias de estos NOVs en el Adjunto A.¹

El 14 de enero de 2026, Chiquita recibió la NOV No. P82507 con fecha 14 de noviembre de 2025 del AQMD de la Costa Sur por presuntas violaciones a las Reglas 3002(c)(1) y 42401 del AQMD de la Costa Sur; a la Sección D, al Permiso G43917, a las Condiciones 2 y 3 y a la Sección K, a la Condición 8 del Permiso del Título V de Chiquita; y a las Condiciones No. 15, 24 y 25 de la Orden de Depuración Estipulada en el Caso No.6177-4 (la "Orden Estipulada"). Se proporciona una copia de este NOV en el Adjunto B.

¹ Los números de las NOV y las fechas de las presuntas violaciones son los siguientes: NOV P81034 (2 de enero de 2026); NOV P75345 (19 de enero de 2026); NOV P75579 (21 de enero de 2026); NOV P68894 (23 de enero de 2026); NOV P82509 (1 de febrero de 2026); NOV P73587 (2 de febrero de 2026); y NOV P68895 (6 de febrero de 2026).

El 15 de enero de 2026, Chiquita recibió el NOV No. P82508 con fecha 22 de diciembre de 2025 del AQMD de la Costa Sur por supuestas violaciones a HSC § 42401 y a la Orden Estipulada, Condición No. 34(c). Se proporciona una copia de esta NOV en el Adjunto C.

Chiquita también recibió una NOV adicional que no está relacionada con la calidad del aire, pero que está incluida en este informe con el fin de ser transparentes. El 6 de enero de 2026 Chiquita recibió una NOV de la Junta Regional de Control de la Calidad del Agua de Los Ángeles (la "Junta del Agua") que fue revisada el 7 de enero de 2026 por presuntas violaciones al Sistema Nacional de Eliminación de Descargas de Contaminantes ("NPDES") Permiso General para Descargas de Aguas Pluviales Asociadas a Actividades Industriales (Orden No. 2014-0057-DWQ y sus enmiendas mediante la Orden No. 2018-0028-DWQ) ("Permiso General"), Secciones III.B y III.C. Se proporciona una copia de la NOV revisada en el Adjunto D.

NOVs de la Regla 402 del South Coast AQMD – Explicación y Acción Correctiva

A continuación se proporciona un debate sobre las NOVs de la Regla 402 del South Coast AQMD, además de las acciones correctivas tomadas por Chiquita en respuesta a las NOVs.

Explicación

Estas NOVs fueron emitidas después de que un inspector del South Coast AQMD verificó los reclamos sobre los presuntos olores que provenían del Vertedero de Canyon de Chiquita (el "Vertedero"). Las NOVs son sustancialmente las mismas que las NOVs previas emitidas por South Coast AQMD que fueron tratadas en los informes previos de la Condición 69 del CUP de Chiquita. El origen de los olores es el mismo que el descrito en esos informes: los olores que provienen del Vertedero de Chiquita Canyon están relacionados con un proceso biótico o abiótico anormal (también conocido como reacción del vertedero) que está ocurriendo en un lugar profundo dentro de una parte revestida, pero más antigua e inactiva, de la masa de desechos del Vertedero.

Acción Correctiva

Chiquita proporcionó descripciones detalladas de las acciones correctivas que fueron tomadas para mitigar la reacción y los olores que emanaban del Vertedero en sus informes previos de la Condición 69 del CUP. Mientras que Chiquita no repite en este informe la información proporcionada en los informes previos, continúa tomando las acciones indicadas en esos informes. Las acciones correctivas descritas en esta sección incluyen únicamente las nuevas medidas que se están tomando desde la última actualización.

Orden Estipulada del AQMD de la Costa Sur: Conforme a la Orden de Depuración Estipulada presentada ante el AQMD de la Costa Sur (Caso No. 6177-4) emitida el 6 de septiembre de 2023 y modificada el 17 de enero, el 21 de marzo, el 24 de abril, el 27 de agosto, el 13 de noviembre de 2024, el 16 de abril de 2025, el 24 de junio de 2025 y el 9 de diciembre de 2025 (la "Orden Estipulada"),² Chiquita ha implementado las siguientes medidas de mitigación adicionales relacionadas con el tratamiento de los olores:

² Se proporciona una copia de la Orden Estipulada del 9 de diciembre de 2025 en el Adjunto E.

- Al 13 de febrero de 2026, Chiquita tiene un total de 138 bombas que operan en pozos de extracción vertical de biogás.
- Al 13 de febrero de 2026, Chiquita tiene un total de 315 pozos de extracción vertical de biogás instalados y operativos.
- Al 12 de febrero de 2026, Chiquita tiene un total de 40 sondas de monitoreo de temperatura instaladas y operativas.

Chiquita presenta a South Coast AQMD las actualizaciones sobre el estado de su cumplimiento de la Orden Estipulada modificada en sus informes mensuales de la Condición 8. Estos informes están publicados en el sitio web de Mitigación de Olores de Chiquita (<https://chiquitacanyon.com/odor-mitigation/>). En el sitio web de Chiquita hay más información detallada sobre la implementación y el cumplimiento de Chiquita con la Orden Estipulada modificada.

Orden Administrativa Unilateral de la Agencia de Protección Ambiental de Estados Unidos: El 21 de febrero de 2024 Chiquita recibió una Orden Administrativa Unilateral ("UAO") de la Agencia de Protección Ambiental de Estados Unidos ("US EPA") que requería que Chiquita presente planes de obra de sus esfuerzos existentes y futuros para tratar la reacción y los impactos y que realice una obra adicional para tratar la reacción. Chiquita ha implementado los siguientes requerimientos adicionales de la UAO de US EPA en relación al tratamiento de los olores:

- El 13 de enero de 2026, Chiquita recibió comentarios de la EPA de EE.UU. sobre su plan de trabajo preliminar para la acción de remoción ("RAW") para la extensión de la zona cubierta, presentado a la EPA de EE.UU. el 3 de octubre de 2025. Los comentarios de la EPA de EE.UU. le indicaron a Chiquita que actualice el RAW preliminar y revise su programa de despliegue de cubiertas y se comprometa con una tasa de despliegue de cubiertas promedio. Chiquita presentará un RAW preliminar actualizado a la EPA de EE.UU. el 27 de febrero de 2026.

En el sitio web de Chiquita hay más información sobre la implementación de Chiquita de la UAO de US EPA.

Órdenes de Cumplimiento de la Agencia de Cumplimiento Local: El 6 de junio de 2024, la Agencia de Cumplimiento Local ("LEA") le emitió a Chiquita una Orden de Cumplimiento (la "Orden de Cumplimiento de 2024"), formalizando las medidas de mitigación recomendadas por CalRecycle que habían sido impuestas previamente por la LEA, como también otros requerimientos adicionales. El 1 de mayo de 2025, la LEA le emitió a Chiquita otra Orden de Cumplimiento (la "Orden de Cumplimiento de 2025"), que requería que Chiquita implementara otras medidas de mitigación para tratar la reacción. Chiquita ha implementado los siguientes requerimientos adicionales de las Órdenes de Cumplimiento de la LEA de 2024 y 2025 relacionada con el tratamiento de los olores:

- Al 11 de febrero de 2026, Chiquita ha instalado aproximadamente 23.6 acres de la cubierta de geomembrana de EVOH/HDPE.

En el sitio web de Chiquita hay más información detallada sobre la implementación de Chiquita de las Órdenes de Cumplimiento de la LEA de 2024 y 2025.

Determinación de Peligro Inminente y Sustancial y Orden del DTSC: El 2 de abril de 2025 Chiquita recibió una Determinación de Peligro Inminente y Sustancial y Orden con fecha 1 de abril de 2025 (la "Orden ISE") del DTSC que indica que Chiquita debe tomar tres acciones de remoción designadas para mitigar la reacción aún más. No ha habido actualizaciones sobre la implementación de la Orden DTSC ISE relacionada con el tratamiento de los olores desde el informe del 2 de enero de 2026. En el sitio web de Chiquita hay más información detallada sobre la implementación de Chiquita de la Orden ISE del DTSC.

Mejora del programa de monitoreo del aire comunitario: Como se describió en los informes previos, Chiquita ha mejorado su programa de monitoreo del aire actual en coordinación con el Departamento de Salud Pública del Condado. Los datos e informes se encuentran en el sitio web de Mitigación de Olores de Chiquita. Los informes más recientes se presentaron el 21 de enero y el 13 de febrero de 2026. Chiquita también hizo una Página Web del Programa de Monitoreo del Aire de la Comunidad del Vertedero de Chiquita Canyon: <https://chiquitacanyon.com/reports/community-air-monitoring-program/>. Esta página web contiene los datos promedio de 1 hora más recientes sobre ácido sulfhídrico y metano, como también la velocidad y la dirección del viento promedio para el mismo período de tiempo, de doce estaciones de monitoreo del aire de la comunidad.

NOV # P82507 del South Coast AQMD – Explicación y Acción Correctiva

El 14 de enero de 2026, Chiquita recibió la NOV No. P82507 con fecha 14 de noviembre de 2025 del AQMD de la Costa Sur por presuntas violaciones a las Reglas 3002(c)(1) y 42401 del AQMD de la Costa Sur; a la Sección D, al Permiso G43917, a las Condiciones 2 y 3 y a la Sección K, a la Condición 8 del Permiso del Título V de Chiquita; y a las Condiciones No. 15, 24 y 25 de la Orden de Depuración Estipulada. La NOV denuncia específicamente que Chiquita:

- (1) "[n]o realizó el mantenimiento correctamente y no mantuvo los equipos en buenas condiciones operativas en todo momento";
- (2) "[n]u operó y mantuvo los equipos con personal correctamente entrenado en su operación";
- (3) "[n]o cumplió con todos los requerimientos reglamentarios o con los términos y condiciones de los permisos"; (4) "[n]o cumplió con todas las condiciones del permiso del sistema de recolección de biogás"; (5) [n]o evitó que haya lixiviados estancados ni la acumulación o el estancamiento de lixiviados expuestos a la atmósfera en las instalaciones. No recogió ni contuvo inmediatamente los lixiviados en un camión cisterna o tanque sellado; ni condujo reparaciones oportunas que redirijan los lixiviados hacia el sistema de recolección de lixiviados"; y (6) "[n]o mitigó los olores y la dispersión y la exposición de lixiviados hacia la atmósfera, lo máximo posible".

Chiquita continúa evaluando las presuntas violaciones y puede proporcionar una mayor explicación en el informe de seguimiento, como corresponda.

NOV # P82508 del South Coast AQMD – Explicación y Acción Correctiva

El 15 de enero de 2026, Chiquita recibió el NOV No. P82508 con fecha 22 de diciembre de 2025 del AQMD de la Costa Sur por supuestas violaciones a HSC § 42401 y a la Orden Estipulada, Condición No. 34(c). La NOV alega específicamente que Chiquita "[n]o proporcionó un aviso electrónico apropiado por e-mail por las excedencias al REL [(Nivel de Exposición de Referencia)] de la OEHHA en 1 hora para benceno en tiempo real y no proporcionó un aviso electrónico automático después de que el promedio ponderado aplicable haya caído por debajo del REL aplicable".

Sr. David Nguyen
Obras Públicas del Condado de Los Ángeles
19 de febrero de 2026
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Con respecto a la ausencia de notificaciones de excedencias de REL, ante una investigación, parece ser que la ausencia de un aviso público se debió a una marca automatizada de los datos de las excedencias como "bajo revisión" como componente de las mejoras recientes de aseguramiento de la calidad/control de calidad ("QA/QC") en la marcación de datos en la interfaz de programación de la aplicación de las micro-GCs. El sistema de alertas se actualizó para que reconozca excedencias, que incluyen las marcadas con los calificadores de datos actualizados.

NOV de la Junta del Agua del 7 de enero de 2026 - Explicación y Acción Correctiva

El 6 de enero de 2026 Chiquita recibió una NOV de la Junta del Agua, que fue revisada el 7 de enero de 2026, por presuntas violaciones a las Secciones III.B y III.C del Permiso General. La NOV está relacionada con que Chiquita supuestamente descargó lixiviados mezclados con aguas pluviales desde la Cuenca Este hacia Castaic Creek. Chiquita está revisando esta NOV y proporcionará una respuesta a las supuestas violaciones. Esta respuesta se publicará en el sitio web de Mitigación de Olores de Chiquita.

Por favor, comuníquese conmigo si tiene alguna pregunta sobre este informe.

Atentamente,



Kevin Green
Gerente de Distrito
Chiquita Canyon

Adjunto: A - NOVs de la Regla 402 del AQMD de la Costa Sur y HSC § 41700
B - NOV No. P82507 del AQMD de la Costa Sur
C - NOV No. P82508 del AQMD de la Costa Sur
D - NOV del 7 de enero de 2026 de la Junta del Agua
E - Orden Estipulada del AQMD de la Costa Sur del 9 de diciembre de 2025

cc: Karlo Manalo, Obras Públicas
Steven Jareb, Departamento de Planificación Regional
Alex Garcia, Departamento de Planificación Regional
Phillip Chen, Departamento de Planificación Regional
Eric Morofuji, Departamento de Salud Pública
Mark Como, Departamento de Salud Pública
Karen Gork, Departamento de Salud Pública
John Perkey, Chiquita Canyon
Sarah Phillips, Chiquita Canyon
Dylan Smith, Chiquita Canyon

ATTACHMENT A



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
1	2	2026

Facility Name <i>Chiquita Canyon Landfill</i>		Facility ID# <i>119219</i>	Sector <i>VB</i>
Location Address <i>29201 Henry Mayo Dr.</i>		City <i>Castaic</i>	Zip <i>91384</i>
Mailing Address <i>29201 Henry Mayo Dr.</i>		City <i>Castaic</i>	Zip <i>91384</i>

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	<i>402</i>			<i>For discharging such quantities of air contaminants to cause injury, detriment, nuisance, or annoyance to a considerable number of persons.</i>
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	<i>41700</i>			
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: <i>Kate Logan</i>	Phone: <i>346-807-5547</i>	Served By: <i>Gerardo Vergara</i>	Date Notice Served: <i>1/2/2026</i>
Title: <i>Senior Remediation Project Manager</i>	Email: <i>Kate.Logan@westconnections.com</i>	Phone No: <input checked="" type="checkbox"/> 909-396- <input type="checkbox"/> 310-233- <i>2179</i>	Email: <i>gvergara @ aqmd.gov</i>
*Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CH&SC - California Health and Safety Code CCR - California Code of Regulations		Method of Service: <input checked="" type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail	



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
1	19	26

Facility Name: Chiquita Canyon Landfill		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			For discharging such quantities of air contaminants to cause injury, detriment
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700			Nuisance or annoyance to a considerable number of persons
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Kate Logan	Phone: 316-907-5547	Served By: Tung Allen Vu	Date Notice Served: 1.20.26
Title: Project Senior Remediation Manager	Email: kate.logan@weberconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2679 <input type="checkbox"/> 310-233-	Email: tallenVu@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

In Person

Certified Mail



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
1	21	2026

Facility Name: Chiquita Canyon LLC		Facility ID#: 119219	Sector: V13
Location Address: 29201 Henry Mayo Dr.		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr.		City: Castaic	Zip: 91384

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance, or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700			
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Sarah Phillips	Phone: (248) 930-2779	Served By: Vincent Mota	Date Notice Served: 1/29/26
Title: Corporate Compliance Manager	Email: sarah.phillips@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-3537 <input type="checkbox"/> 310-233-	Email: vmota@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

In Person

Certified Mail



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
01	23	2026

Facility Name: Chiquita Canyon Landfill		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	California H&S Code sec 41700			
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Sarah Philips Steve Cassola	Phone: 248-930-2779	Served By: Daniel Rosas	Date Notice Served: 01/23/2025
Title: Corporate Compliance Manager	Email: Sarah.Philips@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2080 <input type="checkbox"/> 310-233-	Email: drosas @ aqmd.gov

*Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CCR - California Code of Regulations	CH&SC - California Health and Safety Code CFR - Code of Federal Regulations	Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail
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ORIGINAL

4 electronic mail



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 73587

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
02	02	26

Facility Name: CHIRQUITA CANYON LLC	Case No.:	Case No.:
Address: 25201 HENRY MAYO DR	City: CASTAIC	Zip: 91304
Address: 29201 HENRY MAYO DR	City: CASTAIC	Zip: 91304

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

DESCRIPTION OF VIOLATIONS

#	Authority	Case Number or Rule No.	Violations Permitted by Ordinance or CARS Registration No.	Case/Event No. (if applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD Rule <input type="checkbox"/> CHASC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CHASC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402 5C 4900			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CHASC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CHASC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CHASC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

By: SARAH PHILLIPS Director of Compliance MANAGER	Date: 02/02/2026	By: BILLY ANTONIO 309-398-2662 310-233	Date: 02/02/2026
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Agency: SCAQMD	Agency: CHASC	Agency: CHASC	Agency: CHASC
Agency: SCAQMD	Agency: CHASC	Agency: CHASC	Agency: CHASC

ORIGINAL



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
2	1	26

Facility Name: Chiquita Canyon Landfill		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Dr.		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr.		City: Castaic	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700			
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Kevin Green	Phone: 661-812-5846	Served By: Christina Ojeda	Date Notice Served: 2-1-26
Title: district manager	Email: Kevin.Green@WasteConnectors.com	Phone No: <input checked="" type="checkbox"/> 909-396-2475 <input type="checkbox"/> 310-233-	Email: cojeda@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CH&SC - California Health and Safety Code
CCR - California Code of Regulations
CFR - Code of Federal Regulations

Method of Service:

In Person *email* Certified Mail



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
02	06	2026

Facility Name Chiquita Canyon Landfill		Facility ID# 119219	Sector VB
Location Address 29201 Henry Mayo Dr		City Castaic	Zip 91384
Mailing Address 29201 Henry Mayo Dr		City Castaic	Zip 91384

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1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	California H&S Code sec 41700			
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To Kevin Green	Phone: 661-812-5846	Served By Daniel Rosas	Date Notice Served: 02/06/2026
Title: District Manager	Email: kevin.Green@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2080 <input type="checkbox"/> 310-233-	Email: dro595@aqmd.gov

*Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CCR - California Code of Regulations	CH&SC - California Health and Safety Code CFR - Code of Federal Regulations	Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail
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ORIGINAL

§ electronic mail

ATTACHMENT D



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
11	14	25

Facility Name: Chiquita Canyon Landfill		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Dr.		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr.		City: Castaic	Zip: 91384

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	3002(c)(1)	Title V Section D Permit G43917	2	Failed to properly maintain and keep equipment in good operating condition at all times
2	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	3002(c)(1)	Title V Section D Permit G43917	3	Failed to operate and maintain equipment by personnel properly trained in its operation
3	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	3002(c)(1)	Title V Section K	8	Failed to comply with all regulatory requirements and permit terms and conditions
4	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	42401	Order for Abatement Case No. 6177-4	15	Failed to comply with all conditions under the landfill gas collection system permit
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	42401	Order for Abatement Case No. 6177-4	24	Failed to prevent standing leachate and the pooling or ponding of leachate exposed to atmosphere throughout the facility. Failed to immediately collect and contain leachate in a sealed tanker truck or tank; or, failed to timely conduct repairs that would redirect leachate into the leachate collection system
6	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	42401	Order for Abatement Case No. 6177-4	25	Failed to mitigate odors and the dispersion and exposure of leachate into the atmosphere, to the maximum extent possible

Served To: Kate Logan	Phone: (346) 807-5547	Served By: Christina Ojeda	Date Notice Served: 1/14/26
Title: Senior Remediation Project Manager	Email: Kate.Logan@WasteConnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2475	Email: cojeda@aqmd.gov

*Key to Authority Abbreviations: SCAQMD – South Coast Air Quality Management District CCR – California Code of Regulations	CH&SC – California Health and Safety Code CFR – Code of Federal Regulations	Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail <input checked="" type="checkbox"/> Electronic Mail
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What is a Notice of Violation?

A Notice of Violation is issued by an SCAQMD Air Quality Inspector to inform a business that a failure to comply with one or more applicable federal, state, and/or local (SCAQMD) air pollution rules and regulations or legal requirements is being alleged.

What happens when I receive a Notice of Violation?

If you are operating in violation of one or more applicable federal, state, and/or local (SCAQMD) air pollution rules and regulations or legal requirements, each day or part of a day that you operate in violation is considered a separate violation even if only one Notice of Violation has been issued. Continuing to operate in violation may subject you to substantial civil or criminal penalties. **It is in your best interest to resolve any compliance problem immediately before you resume operation.**

What if I need to continue to operate the equipment named in the Notice of Violation?

If continued operation of equipment cited in the Notice of Violation is necessary, you may be able to obtain a variance from SCAQMD's Hearing Board. A **variance** is an administrative order that allows a company to continue operating without penalties while it takes appropriate steps to meet air pollution control requirements. Proof of specific legal circumstances must be provided before a variance can be granted. Timeliness in seeking such relief will be considered by the Hearing Board. Additional information concerning variances can be found in California Health & Safety Code §§ 42350-42359.5 and at <http://www.aqmd.gov/home/about/hearing-board>.

During a hearing for a variance, you may be represented either by yourself or by your attorney or consultant. You will have the opportunity to present evidence and testimony, and to cross-examine any SCAQMD witness.

If you fail to comply with any order of the Hearing Board, you may be subject to additional civil or criminal penalties set forth in California Health & Safety Code §§ 42400 *et seq.* and 42402 *et seq.*

How are Notices of Violation resolved?

The SCAQMD General Counsel's office reviews each alleged violation and, based on the facts, determines how best to resolve the allegation. Options available to the General Counsel's office include:

- **Minor Source Penalty Assessment Program**

Certain Notices of Violation may be eligible for resolution through SCAQMD's Minor Source Penalty Assessment Program if they are issued to a minor source or for violations other than emitting air toxics or creating a

public nuisance involving injury or property damage.

If your case is handled by this program, you will receive a letter or phone call from an investigator in the SCAQMD General Counsel's office offering to settle your violation. Settlement terms usually call for a penalty payment and written proof of current compliance. The investigator's name and telephone number are included in the initial settlement letter in the event you would like to discuss the case.

Be prepared to describe any facts about the violation that you believe SCAQMD should know in considering your case. Sharing your knowledge of the facts, possible causes for the violation and plans to avoid future violations will help the investigator arrive at an appropriate disposition. **Be sure to respond by the date indicated in the letter to avoid further legal action.**

If the Minor Source Penalty Assessment Program fails to result in a settlement, your Notice of Violation may be referred to an SCAQMD attorney and handled under the procedures for Civil Prosecution or resolved through a Small Claims Court.

- **Civil Prosecution**

If your case is handled as a civil matter, it will be reviewed by an attorney from the SCAQMD General Counsel's office, who will typically make first contact with you through a letter that asks for information about your case. If the allegations in the Notice of Violation cannot be informally resolved, the SCAQMD is authorized to file a civil lawsuit in court to recover civil penalties. In cases involving serious harm or danger, however, SCAQMD may immediately commence a legal action for civil penalties and a court-ordered injunction. A **mandatory injunction** is a court order compelling a person and/or company to take specific action. A **prohibitory injunction** is a court order compelling a person and/or company to refrain from taking a specific action. Injunctions, which may even lead to shutting down a business, may be sought by SCAQMD to prevent continuing or serious violations or damages from occurring.

- **Criminal Prosecution**

If SCAQMD determines that criminal prosecution is appropriate, the case will be referred to the appropriate state or federal law enforcement agency. That agency will determine if criminal prosecution is warranted.

Civil and Criminal Penalties

Penalties are determined by California Health & Safety Code §§ 42400 *et seq.* and 42402 *et seq.*

Available Resources

You can obtain SCAQMD Rules, permit application forms, and detailed information about SCAQMD and the Hearing Board using the resources provided below:

Contact Numbers	Useful Links
General Information:	
SCAQMD Headquarters General Number (909) 396-2218	About SCAQMD http://www.aqmd.gov/home/about
General Counsel's Office (909) 396-3400	Enforcement Authority http://www.aqmd.gov/home/about/authority/enforcement
	Compliance Notices http://www.aqmd.gov/home/regulations/compliance/compliance-notices
	SCAQMD Rules http://www.aqmd.gov/home/regulations/rules
Obtaining Permit or Billing Information:	
Small Business Assistance (800) 388-2121	Getting Permits http://www.aqmd.gov/home/permits
Permit Information (909) 396-2468	Permit Forms http://www.aqmd.gov/home/permits/permit-application-forms
Billing Services (866) 888-8838 (909) 396-2900	Permitting Fees http://www.aqmd.gov/home/permits/fees
Variances:	
Clerk of the Hearing Board (909) 396-2500	The Hearing Board http://www.aqmd.gov/home/about/hearing-board

ATTACHMENT C



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
12	22	25

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2	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Kate Logan	Phone: 346-807-5547	Served By: Christina Ojeda	Date Notice Served: 1/15/26
Title: Senior Remediation Project Manager	Email: Kate.Logan@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2475	Email: cojeda@aqmd.gov

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General Counsel's Office (909) 396-3400	Enforcement Authority http://www.aqmd.gov/home/about/authority/enforcement
	Compliance Notices http://www.aqmd.gov/home/regulations/compliance/compliance-notice
	SCAQMD Rules http://www.aqmd.gov/home/regulations/rules
Obtaining Permit or Billing Information:	
Small Business Assistance (800) 388-2121	Getting Permits http://www.aqmd.gov/home/permits
Permit Information (909) 396-2468	Permit Forms http://www.aqmd.gov/home/permits/permit-application-forms
Billing Services (866) 888-8838 (909) 396-2900	Permitting Fees http://www.aqmd.gov/home/permits/fees
Variances:	
Clerk of the Hearing Board (909) 396-2500	The Hearing Board http://www.aqmd.gov/home/about/hearing-board

ATTACHMENT F



Los Angeles Regional Water Quality Control Board

January 7, 2026

Sarah Phillips
Waste Connections, Inc.
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, Ca 91384

Certified Mail
Return Receipt Requested
Claim No. 9589 0710 5270 2307 8867 66

Dan Schooler
Legally Responsible Person
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, Ca 91384

Certified Mail
Return Receipt Requested
Claim No. 9589 0710 5270 2307 8867 73

Koy Saechao
Agent for Service of Process
1505 Corporation, CSC –
Lawyers Incorporating Service
2710 Gateway Oaks Drive
Sacramento, CA 95833

Certified Mail
Return Receipt Requested
Claim No. 9589 0710 5270 2307 8867 80

Chiquita Canyon, LLC
3 Waterway Square Place #110
The Woodlands, TX 77380

Certified Mail
Return Receipt Requested
Claim No. 9589 0710 5270 3226 2543 84

NOTICE OF VIOLATION: STORMWATER COMMINGLED WITH UNAUTHORIZED NON-STORMWATER DISCHARGE – CHIQUITA CANYON LANDFILL, 29201 HENRY MAYO DRIVE, CASTAIC, CA 91384, WDID NO. 4 191022488

Dear Sarah Phillips, and Dan Schooler:

Chiquita Canyon, LLC (hereinafter “Discharger”) operates Chiquita Canyon Landfill, located at 29201 Henry Mayo Drive in Castaic (hereinafter “CCL”) that is subject to the requirements of the National Pollutant Discharge Elimination (NPDES) General Permit for Stormwater Discharges Associated with Industrial Activities (Order No. 2014-0057-DWQ, as amended by Order No. 2018-0028-DWQ) (Industrial General Permit).

General Permit Section III.B. states:

“Except for non-storm water discharges (NSWDs) authorized in Section IV, discharges of liquids or materials other than stormwater, either directly or indirectly to waters of the United States, are prohibited unless authorized by another NPDES permit.”

General Permit Section III.C. states:

“Industrial storm water discharges and authorized NSWs that contain pollutants that cause or threaten to cause pollution, contamination, or nuisance as defined in section 13050 of the Water Code, are prohibited.”

On November 14, 2025, the Discharger notified Los Angeles Regional Water Quality Control Board (Los Angeles Water Board) staff of a force main leak of approximately 8,000 gallons of characteristically hazardous leachate on the top deck of the landfill. The leachate comingled stormwater was pumped into the stormwater channel that flows into the East Basin where it remained.

On December 22, 2025, Los Angeles Water Board Staff inspected CCL prior to a forecasted storm event.¹ The Discharger had installed a berm in the East Basin to separate the basin outlet from the East Basin (Photo 1). The Discharger also installed a barrier over the East Basin outlet with steel plates, and a plastic covering with wood braces and sandbags (Photo 2). According to Ms. Amanda Froman of Waste Connections, the barrier also consisted of a sealing foam. The intention of these Best Management Practices (BMPs) was to prevent the discharge of leachate comingled stormwater.

During the storm event that occurred from December 23-26, 2025, the leachate comingled stormwater overtopped the installed berm and filled up the area behind the installed barrier (Photos 3-4). On December 29, 2025, CCL staff heard water from the East Basin flowing through the barrier into the stormwater channel that flows into Castaic Creek. Castaic Creek flows into Reach 5 of the Santa Clara River. Both Castaic Creek and Santa Clara River are designated waters of the United States. The leachate comingled stormwater continued to discharge during and after the December 23-26, 2025, storm event until the water level dropped below the level of the leak.

On December 29, 2025, Los Angeles Water Board received notification from Ms. Amanda Froman that Chiquita believes that some stormwater from the East Basin escaped past the steel plates likely beginning on December 25 or 26.

On December 30, 2025, during an interagency meeting, Ms. Sarah Phillips stated that CCL staff heard water in the East Basin leaking through the steel plates used to block the East Basin outlet.

You are hereby notified that based on the Discharger's notifications to the Los Angeles Water Board, Chiquita Canyon, LLC is in violation of the requirements established in the Industrial General Permit by discharging leachate comingled stormwater from the East Basin to Castaic Creek.

Pursuant to California Water Code section 13385, subdivision (c)(1), the Discharger is subject to discretionary administrative civil liability of up to ten thousand dollars (\$10,000)

¹ All photos contained herein were taken by Scott Landon, staff at the Los Angeles Water Board. A complete inspection report will be transmitted after the date of this letter.

for each day in which the violation(s) occurs. The discretionary administrative civil liability may be assessed by the Los Angeles Water Board beginning with the date that the violation(s) first occurred. The Los Angeles Water Board may also refer this matter to the Attorney General's Office for further enforcement. Please note that this Notice shall not be deemed to relieve you of liability for any penalties that may have already been accrued. The Los Angeles Water Board reserves its right to take any further enforcement action authorized by law.

If you need assistance or have any questions, please contact Scott Landon of my staff at (213) 620-2122 or via email at Scott.Landon@waterboards.ca.gov, or Pavlova Vitale at (213) 576-6751 or via email at Pavlova.Vitale@waterboards.ca.gov.

Sincerely,

Jenny
Newman



Digitally signed by Jenny
Newman
Date: 2026.01.07 09:55:11
-08'00'



Jenny Newman
Assistant Executive Officer

cc: (via email)

Russ Colby, Russ.Colby@waterboards.ca.gov

Pavlova Vitale, Pavlova.Vitale@waterboards.ca.gov

Kate Logan, Kate.Logan@wasteconnections.com

Amanda Froman, Amanda.Froman@wasteconnections.com

Chris Fear, Chris.Fear@wasteconnections.com

John Perkey, John.Perkey@wasteconnections.com

Dylan Smith, Dylan.Smith@wasteconnections.com

Erin Neal, Erin.Neal@dtsc.ca.gov

Zanalee Zmily, Zanalee.Zmily@dtsc.ca.gov

Dylan Clark, Dylan.Clark@dtsc.ca.gov

Amy Miller, miller.amy@epa.gov

Laura Friedli, friedli.laura@epa.gov

Todd Sax, Todd.Sax@calepa.ca.gov

Photo Log



Photo 1

A view of the dirt berm placed in the East Basin during the December 22, 2025, inspection.



Photo 2

A view of the barrier placed over the East Basin outlet during the December 22, 2025, inspection.



Photo 3

A photo showing the comingled leachate with stormwater flowed into the area behind the dirt berm.



Photo 4

A photo showing the outlet of the East Basin.

ATTACHMENT F

**BEFORE THE HEARING BOARD OF THE
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
MINUTE ORDER**

SOUTH COAST AQMD vs CHIQUITA CANYON, LLC
29201 Henry Mayo Drive
Castiac, CA 91348

Case No: 6177-4
Facility ID: 119219

Hearing Date: 12/09/2025

Hearing Type: Status Report/Modification Order for Abatement (Mod. O/A)

Previous Hearings: 09/06/2023, 01/16/2024, 01/17/2024, 03/21/2024, 04/24/2024, 08/17/2024,
08/27/2024, 11/13/2024, 04/16/2025, 06/04/2025, 06/17/2025 and 06/24/2025

Next Hearings: 01/29/2026 and 05/28/2026

HEARING BOARD ACTION

Action: Modified

Starting Date: 12/09/2025

Ending Date: 10/31/2026

RULES

203

402

431.1

1150

3002

Health and Safety §41700

EQUIPMENT DESCRIPTION

Landfill Operations

Present:

Micah Ali, Chair
Robert Pearman, Esq., Vice Chair
Jerry P. Abraham, MD MPH CMQ
Mohan Balagopalan
Cynthia Verdugo-Peralta

Representing the Petitioner:

Kathryn Roberts, Principal Deputy District Counsel
Mary Reichert, Senior Deputy District Counsel
Ryan Mansell, Principal Deputy District Counsel

Representing the Respondent:

Megan Morgan, Attorney at Law
Jake Duginski, Attorney at Law
Leigh Barton, Attorney at Law

Witness for the Petitioner:

Laurance Israel, Supervising Air Quality Inspector
Baitong Chen, Ph.D., Air Quality Engineer II

Witness for the Respondent:

Patrick Sullivan, BCES, CPP, REPA
Neal Bolton, P.E.
Srividhya Viswanathan, P.E.
Robert Dick, P.E., B.C.E.E.

Petitioner's Exhibit:

#98 - Stipulated Proposed Modifications - Redlined
#99 - Stipulated Proposed Modifications - Clean
#100 - Photos - Equipment Connected to Air Release Valve of Leachate Conveyance
#101 - SCE Engineers' Air Movement Study Report (Excerpts)

Respondent's Exhibit:

FFFFF - Declaration of Patrick Sullivan, BCES, CPP, REPA
GGGGG - Declaration of Srividhya Viswanathan, P.E.
HHHHH - Declaration of Neal Bolton, P.E.
IIIII - Declaration of Robert Dick, P.E., B.C.E.E.
JJJJJ - Supplemental Declaration of Neal Bolton, P.E.
KKKKK - Supplemental Declaration of Robert Dick, P.E., B.C.E.E.
LLLLL - Testimony Presentation of Patrick Sullivan, BCES, CPP, REPA
MMMMM - Testimony Presentation of Srividhya Viswanathan, P.E.
NNNNN - Testimony Presentation of Neal Bolton, P.E.
OOOOO - Testimony Presentation of Robert Dick, P.E., B.C.E.E.

motion:

Balagopalan/Abraham

5-0

Board
Review/Approval


Mohan Balagopalan

Dated

2/12/26

Prepared by James Chavez

Attachment: Modified Stipulated Order for Abatement and Findings and Decision of the Hearing Board

1
2 **BEFORE THE HEARING BOARD OF THE**
3 **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

4 **In The Matter Of**

Case No. 6177-4

5 SOUTH COAST AIR QUALITY
6 MANAGEMENT DISTRICT,

7 Petitioner,

**FINDINGS AND DECISION FOR A
MODIFIED STIPULATED ORDER FOR
ABATEMENT**

8 vs.

9 CHIQUITA CANYON, LLC a Delaware
10 Corporation,
[Facility ID No. 119219]

Health and Safety Code § 41700, and District
Rules 402, 431.1, 3002, 203, 1150

11 Respondent.

Hearing Date: December 9, 2025
Time: 9:30 A.M.
Place: Hearing Board
South Coast Air Quality
Management District
21865 Copley Drive
Diamond Bar, CA 91765

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13
14
15 On December 9, 2025, the Hearing Board convened a hearing to consider further
16 modifications to the Stipulated Order for Abatement, which was held pursuant to notice in
17 accordance with the provisions of California Health and Safety Code §§ 40823 and 42451(a) and
18 District Rule 812. The following members of the Hearing Board were present: Micah Ali, Chair;
19 Robert Pearman, Esq., Vice Chair; Jerry P. Abraham, MD, MPH, CMQ; Cynthia Verdugo-Peralta;
20 and Mohan Balagopalan. Petitioner South Coast Air Quality Management District (“South Coast
21 AQMD”) was represented by Kathryn Roberts, Principal Deputy District Counsel, Mary Reichert,
22 Senior Deputy District Counsel, and Ryan Mansell, Principal Deputy District Counsel. Respondent
23 Chiquita Canyon, LLC, was represented by Jacob P. Duginski, attorney at law, Megan L. Morgan,
24 attorney at law, and Leigh S. Barton, attorney at law, of Beveridge & Diamond, P.C. Further exhibits
25 were submitted by Petitioner and Respondent, and further testimony from both Petitioner’s and
26 Respondent’s witnesses was taken. The public was afforded a reasonable opportunity to provide
27 testimony in accordance with Health and Safety Code § 40828. The Hearing Board finds and decides
28 as follows:

STIPULATED FINDINGS

1
2 1. The Hearing Board convened a hearing on December 9, 2025. The hearing was held
3 pursuant to notice in accordance with the provisions of California Health and Safety Code §§
4 40823 and 42451(a) and South Coast AQMD Rule 812 to consider modifications to the Modified
5 Stipulated Order for Abatement.

6 2. The public was given the opportunity to testify and evidence was received.

7 3. Petitioner and Respondent stipulated to a further modification of conditions of the
8 Order.

9 4. Petitioner presented through multiple witnesses and exhibits. Supervising Air
10 Quality Inspector Laurance Israel testified to continuing odors in the affected communities,
11 provided updates on the number of complaints since the last hearing in June 2025, including that
12 there were several hundred complaints per month over the summer and that the South Coast
13 AQMD had seen an increase from there in the fall months of September through November.
14 Supervising Inspector Israel further testified that through November of 2025, Chiquita had been
15 issued 104 Notices of Violations for alleged violations of Rule 402 / Health and Safety Code
16 41700, including 13 in June; 5 in July, 11 in August, 16 in September, 12 in October, and 8 in
17 November. Supervising Inspector Israel also testified that the odors were impacting the same
18 general neighborhoods as had been discussed previously (particularly the Val Verde, Live Oak,
19 Hasley Hills, and Williams Ranch communities). Petitioner also presented evidence through South
20 Coast AQMD Air Quality Engineer Baitong Chen, Ph.D. regarding the South Coast AQMD's
21 reasons for seeking certain modifications of the existing Stipulated Order.

22 5. Respondent presented evidence of Respondent's operational status updates and
23 efforts under the current Stipulated Order for Abatement to address the ongoing reaction through
24 both declarations and live testimony of Patrick Sullivan, BCES, CPP, REPA; Neal Bolton, P.E.;
25 Srividhya Viswanathan, P.E.; and Robert Dick, P.E., B.C.E.E. Mr. Sullivan testified to certain
26 objective emissions and air monitoring metrics that he believes should be considered in addition to
27 the subjective odor complaint and notice of violation data, including landfill gas recovery data, flux
28 chamber study data, and community air monitoring data. Mr. Sullivan testified that each of these

1 objective data points showed a level of improvement and were reflective of the various corrective
2 actions that have occurred onsite. On the odor complaint and notice of violation data, Mr. Sullivan
3 testified to what he considers the significant improvements seen between 2024 and 2025. Mr.
4 Sullivan also testified to analyses he and his team conducted on two sets of South Coast AQMD's
5 odor complaint data, one containing specific complainant address information and one containing
6 only complainant street location information. Based on these analyses, Mr. Sullivan concluded that
7 any impact areas are localized and that a limited number of addresses are contributing the largest
8 number of complaints. Mr. Sullivan further testified as to the various additional analyses he would
9 be able to conduct on odor complaint data if Respondent were to continue to receive odor
10 complaint data with specific complainant address information. Mr. Bolton testified to the
11 installation of more than 16 acres of the new 60-mil EVOH cover as well as a voluntary settlement
12 evaluation report that Mr. Bolton and his team prepared. This report concluded that the diminishing
13 rate of settlement indicates that the reaction is slowing rather than expanding. Mr. Bolton and his
14 team believe this decrease in annualized settlement implies the mitigation measures implemented
15 by Chiquita are effective in mitigating the reaction. Ms. Viswanathan testified to the continued
16 expansion of the landfill gas collection and control systems and the dewatering system. She also
17 testified to the impacts of the installation of the EVOH cover on these systems and how this
18 installation project may impact the extraction of liquids and landfill gas. Mr. Dick provided updates
19 on the remote monitoring system and some of the adjustments he and the Reaction Committee have
20 made to the data-driven reaction area boundary since June 2025 to incorporate select individual
21 wells into the data-driven boundary. He also testified that he believes the data is showing potential
22 contractions in some areas.

23 6. At the conclusion of the testimony, Petitioner and Respondent stipulated that there
24 was good cause to adopt the Modified Stipulated Order for Abatement with conditions as presented
25 in Petitioner's Exhibit 99, including that:

26 a. The imposition of the Modified Stipulated Order for Abatement would result in
27 the mitigation of conditions potentially impacting the public.

28

1 CONCLUSIONS

2 1. The Modified Stipulated Order for Abatement set forth hereinafter is likely to
3 mitigate conditions that could contribute to potential odors and potential nuisance.

4 2. The Modified Stipulated Order for Abatement is not intended to be nor does it act as
5 a variance.

6 3. The Hearing Board need not make the findings required by South Coast AQMD Rule
7 806(a) because the Modified Stipulated Order for Abatement is made pursuant to the stipulation of
8 Petitioner and Respondent.

9
10 ORDER

11 THEREFORE, subject to the aforesaid statements and good cause appearing, the Hearing
12 Board hereby orders Respondent to comply with California Health and Safety Code Section 41700,
13 South Coast AQMD Rules 402, 203, 431.1, and 3002, and all conditions of Respondents Permits.
14 The Hearing Board further hereby orders Respondent to comply with the following conditions and
15 increments of progress:

16 **Odor Surveillance**

17 1. Respondent shall conduct odor surveillance in the communities surrounding CCL as
18 follows:

- 19 a. Respondent shall contract with a trained third party to conduct odor surveillance
20 each operating day within thirty (30) days after the issuance of the September 6,
21 2023 Order (the "Initial Order"). Respondent shall conduct odor surveillance each
22 operating day until the trained third party has been contracted. Respondent, or
23 Respondent's contractor, as applicable, shall conduct community odor surveillance
24 at least twice each operating day, once between the hours of 6:00 a.m. and 11:00
25 a.m. and once between the hours of 7:00 p.m. and 12:00 a.m. If a three-week period
26 passes without Respondent receiving a Rule 402 NOV from the South Coast
27 AQMD, or detecting odors at above an intensity of 2 at more than 2 stops during a
28 single surveillance, then Respondent, or Respondent's contractor, as applicable,

1 may stop conducting the odor surveillances. If Respondent, or Respondent's
2 contractor, as applicable, has stopped conducting the odor surveillances pursuant to
3 this condition and Respondent subsequently receives a Rule 402 NOV from the
4 South Coast AQMD, then Respondent, or Respondent's contractor, as applicable,
5 must resume conducting the odor surveillances until another three-week period
6 passes with no Rule 402 NOVs issued by the South Coast AQMD, or without
7 Respondent or Respondent's contractor, as applicable, detecting odors at above an
8 intensity of 2 at more than 2 stops in a single surveillance.

- 9 b. Respondent, or Respondent's contractor, as applicable, shall conduct an odor
10 surveillance at each of the following Surveillance Locations:

11

Stop	Description
12 1.	Intersection of Chiquito Canyon Road and driveway leading to the
13	LA County Fire's Del Valle Regional Training Center
14 2.	Intersection of Chiquito Canyon Road and Lincoln Avenue
15 3.	Intersection of Lincoln Avenue and Jackson Street
16 4.	Intersection of Lincoln Avenue and Harding Avenue
17 5.	Intersection of Buchanan Way and Chiquito Canyon Road
18 6.	Intersection of Chiquito Canyon Road and San Martinez Road
19 7.	Intersection of San Martinez Road and Morningside Drive
20 8.	Intersection of Lexington Drive and Morningside Drive
21 9.	Intersection of Val Verde Road and Trellis Road
22 10.	Intersection of San Martinez Road and Euclid Ave.
23 11.	Intersection of San Martinez Road and Keningston Road
24 12.	Intersection of Hunstock Street and Windsor Road
25 13.	Intersection of Del Valle Road and Silver Street
26 14.	Intersection of Del Valle Road and Hasley Canyon Road
27 15.	Intersection of Hasley Canyon Road and Gibraltar Lane
28 16.	Intersection of Gibraltar Lane and Alton Way
	17. Intersection of Gibraltar Lane and Springvale Lane
	18. Intersection of Castlebury Place and Picadilly Place
	19. Intersection of Gibraltar Lane and Cambridge Avenue
	20. Intersection of Cambridge Avenue and Hasley Canyon Road
	21. Intersection of Creekbed Road and Firebrand Drive
	22. Intersection of The Old Road and Hillcrest Parkway

Stop	Description
23.	Intersection of Hillcrest Parkway and Park Vista Drive at Castaic Elementary School
24.	Intersection of Hasley Canyon Road and Commerce Center Drive (Santa Clarita Valley International School & PlayMakers Preschool)
25.	Intersection of The Old Road and Live Oak Road
26.	Intersection of Live Oak Road and Hidden Trail Road
27.	Intersection of Rangewood Road and Buckskin Drive
28.	Intersection of Live Oak Elementary School at Saddleridge Way
29.	Intersection of Quincy Street and Cambridge Avenue
30.	Intersection of Commerce Center Drive and Witherspoon Parkway
31.	Intersection of Franklin Parkway and driveway leading to the United States Postal Service
32.	Intersection of Henry Mayo Drive and Cambridge View Drive, leading into the Valencia Travel Village RV Resort
33.	Intersection of Valencia Boulevard at West Ranch High School
34.	Intersection of Hasley Canyon Road and Valley Glen Street
35.	Intersection of Hasley Canyon Road and Sloan Canyon Road
36.	Intersection of Sloan Canyon Road and Hillcrest Parkway
37.	Intersection of Hillcrest Parkway and The Old Road
38.	Intersection of Hillcrest Parkway at Castaic Middle School

- c. Respondent, or Respondent's contractor, as applicable, conducting the odor surveillance shall not have visited the Reaction Area (as defined in Condition 9(a)), working face, or other areas where exposed trash or landfill gas odors exist at CCL within four hours prior to conducting an odor surveillance.
- d. Odor surveillance shall be conducted by proceeding to each Surveillance Location and making an assessment of each parameter listed in Condition No. 1(e). Assessment of each parameter shall be made while standing in ambient air and shall not be made from within a vehicle.
- e. Respondent, or Respondent's contractor, as applicable, shall record odor surveillance results in an "Odor Surveillance Log" before the end of the work day. The Odor Surveillance Log shall contain, but not be limited to: (1) the date and time; (2) stop number; (3) the name of the person performing the surveillance and written acknowledgement that they did not visit the working face or other on-site areas

1 where exposed trash or landfill odors such as, but not limited to landfill gas odors,
2 refuse or refuse contaminated material odors, or landfill liquids/landfill leachate
3 odors exist within a four hours prior to conducting an odor surveillance, (4) the wind
4 speed and direction; (5) a narrative description of any odor detected (including the
5 type of odor, such as trash, landfill gas, chemical, odor neutralizer, as applicable);
6 (6) current weather conditions; and (7) an assessment of the strength of any odor
7 detected using the scale below:

0	No odor detected
1	Very light odor detected
2	Light odor detected
3	Moderate odor
4	Strong odor
5	Very strong odor

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- 12 f. If Respondent, or Respondent's contractor, as applicable, conducting the odor
- 13 surveillance detects odors at three or more stops that are determined to be of a
- 14 strength of 3 or higher on the scale above during any surveillance occurring during
- 15 Respondent's operating hours (between the hours of 4:00am and 5:00pm), that are
- 16 described as chemical, leachate, landfill gas, or similar non-trash landfill odors,
- 17 Respondent, or Respondent's contractor, as applicable, shall immediately notify
- 18 landfill operating staff responsible for the Reaction Area. If such odors are
- 19 described as trash, Respondent, or Respondent's contractor, shall immediately
- 20 notify landfill operating staff responsible for the Working Face Area. Respondent
- 21 shall designate an employee in each of the Reaction Area and the Working Face
- 22 Area able to receive and direct action related to such notifications promptly. Upon
- 23 receiving such notification for the Reaction Area, Respondent shall, within 30
- 24 minutes of receipt, review and initiate modifications, as appropriate, to fan
- 25 placement, and conduct a visual inspection of the Reaction Area (as defined in
- 26 Condition 9(a)) to assess, and address as needed, any cracks in the surface of the
- 27 area. Upon receiving such notification for the Working Face Area, Respondent shall
- 28 employ all appropriate trash odor mitigation strategies, including taking action

1 pursuant to Condition No. 43. Respondent shall have trained employee(s) or trained
2 contractor(s) re-perform odor surveillance following deployment of additional
3 mitigation to assess if trash odors have dissipated, and, as applicable, take additional
4 remedial steps pursuant to Condition No. 43(f).

- 5 2. Respondent shall maintain records of all Odor Surveillance Logs for the duration of this
6 Order and shall make them available for inspection by South Coast AQMD in an easy-to-
7 review chart-style format within 5 working days of request. Respondent shall maintain a
8 written record of any notification received, and any action taken in response to notice under
9 Condition 1(f).

10 **Reducing Sulfur in the Landfill Gas to be Flared**

- 11 3. Respondent shall expedite, to the maximum extent feasible, replacement of granular
12 activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N
13 603249), including the execution of contracts, as well as the delivery, replacement, startup,
14 and testing of any operation necessary to replenish and/or replace spent granular activated
15 carbon media in the Landfill Gas Treatment System. Respondent shall ensure adequate
16 stock of all odor control products and supplies are maintained on site.

- 17 a. Respondent shall monitor and record the landfill gas temperature at least daily at
18 the inlet of the Landfill Gas Treatment System. The temperature of the landfill gas
19 shall not exceed 145 F.

- 20 4. Respondent shall maximize landfill gas combustion utilizing all operational flares
21 (excepting periods of maintenance, breakdowns, or automatic shutdown) to limit release of
22 raw landfill gas. Respondent shall prioritize and maximize the use and operation of landfill
23 gas flares No. 2 (under Permit G73696, A/N 645450) and No. 3 (under A/N 624296) over
24 landfill gas flare No. 1 (under Permit G73696, A/N 645450) to the maximum extent feasible
25 when combusting landfill gas at the facility (FID 119219). Once Respondent receives the
26 necessary permits and puts the new landfill gas flare discussed in Condition 21 ("landfill
27 gas flare No. 4") into operation, Respondent shall prioritize and maximize the use and
28 operation of landfill gas flares Nos. 3 and 4 over landfill gas flares No. 1 and No. 2 (under

1 Permit G73696, A/N 645450) and prioritize and maximize the use and operation of landfill
2 gas flare No. 2 over landfill gas flare No. 1 to the maximum extent feasible when
3 combusting landfill gas at the facility (FID 119219).

4 5. Respondent shall sample, analyze, and record the landfill gas sulfur compounds combusted
5 in each flare (as measured at sampling location FL-150 that is representative of the gas
6 combusted in the flares under Permit G73696, A/N 45450; A/N 624296), in the thermal
7 oxidizer/flare, and in any other landfill gas control equipment operating on site at least once
8 each week using colorimetric tests for H₂S and at least once each day sample for analysis
9 for total sulfur compounds as H₂S using South Coast AQMD Method 307-91. Additionally,
10 Respondent shall sample, analyze, and record the landfill gas sulfur compounds and
11 speciated organic compounds found in the raw, pre-treatment and pre-control, landfill gas
12 collected from the Reaction Area (as defined in Condition 9(a)) at least once each calendar
13 month for total sulfur compounds as H₂S using South Coast AQMD Method 307-91 and
14 for speciated organic compounds using U.S. Environmental Protection Agency (EPA)
15 Method TO-15.

16 a. Respondent shall record South Coast AQMD Method 307-91 analysis upon receipt
17 of laboratory analysis report. Each recorded measurement or result shall be
18 documented with the time and date when the measurement or sample collection was
19 conducted, and initialed by the personnel that conducted the measurement or sample
20 collection.

21 b. Sulfur compound readings and analysis shall be reported to South Coast AQMD
22 pursuant to Condition No. 8.

23 i. Tedlar bags used for Method 307-91 sampling and analysis shall not contain
24 droplets or debris.

25 ii. Colorimetric tube readings shall be conducted by taking a reading from a
26 Tedlar bag sample using an appropriate colorimetric tube sample collection
27 pump. All sampling shall be performed in accordance with the operational
28 manual for the colorimetric tube sample collection pump.

1 iii. Colorimetric tube readings shall use colorimetric tubes of appropriate
2 concentration range and shall be reported as follows:

3 1. Respondent shall first use the estimated appropriately ranged colorimetric
4 tube.

5 2. If the resulting reading reaches the upper concentration of the colorimetric
6 tube concentration range, subsequent reading(s) shall be taken using a
7 colorimetric tube with a concentration range that has a larger upper
8 concentration threshold until the result is not the upper concentration
9 threshold of the concentration range. Report the tube concentration range
10 and tube concentration result for each reading.

11 3. If the reading results in the lower concentration of the colorimetric tube
12 concentration range or does not register a result, subsequent reading(s)
13 shall be taken using a colorimetric tube with a concentration range that has
14 a smaller lower concentration threshold, if available, until the colorimetric
15 tubes available to the facility result in:

16 a. A reading that is within the concentration range of the tube,

17 b. A reading is the lower concentration of the colorimetric tube
18 concentration range, or

19 c. The colorimetric tube does not register a result.

20 4. When the result is the lower concentration of the colorimetric tube
21 concentration range or does not register a result, the lower concentration
22 of the colorimetric tube concentration shall be considered the
23 concentration result. Report the tube concentration range and tube
24 concentration result for each reading. If a lower range colorimetric tube is
25 not used and the tube concentration result is below the lower range of the
26 colorimetric tube used, Respondent shall report the result as “less than” or
27 “<” the lower range value of the tube. Notwithstanding the forgoing,
28 Respondent shall ensure that the colorimetric tube result is below the upper

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range of the colorimetric tube used and shall report the precise result of all results above the lowest range of the colorimetric tube used.

- 6. Respondent shall maintain adequate stock of appropriately ranged colorimetric tubes.
- 7. Respondent shall maintain a record of the following information, and provide such records to the South Coast AQMD pursuant to Condition No. 8:
 - a. The hourly and daily flow of landfill gas combusted, in standard cubic feet, in each flare (flares No. 1 & No. 2 under Permit G73696, A/N 645450; flare No. 3 under A/N 624296), the thermal oxidizer/flare (under Zeeco A/N 653611), and any other equipment used to combust or control landfill gas at the facility, and the total amount of landfill gas combusted at the facility;
 - b. The daily flow of landfill gas not flared, in standard cubic feet, if applicable; and
 - c. The results of the sulfur readings, sampling, and analyses, calculated as H₂S with the time and date when each measurement or sample collection was conducted.
- 8. Respondent shall submit a monthly written report on the landfill operation, progress of the status of the Landfill Gas Flares (flares No. 1 and No. 2 under Permit G73696, A/N 645450; flare No. 3 under A/N 624296), Landfill Gas Treatment System (under Permit G55163, A/N 603249), and efforts to resolve the total sulfur concentration in the landfill gas exceeding 150 ppmv calculated as H₂S. As of March 21, 2024, monthly reports shall be submitted to South Coast AQMD on the 20th of each subsequent month, or the following business day, not later than 5:00pm via email to Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov). Each monthly report shall contain at a minimum the following information:
 - a. The landfill gas sulfur compounds measurements and laboratory analysis with the time and date of each measurement or sample collection, as identified in Condition No. 5.
 - b. The landfill gas records and calculations identified in Condition No. 7, in a Microsoft Excel spreadsheet format. If the landfill gas records show any landfill gas

1 combustion/control equipment (flares or thermal oxidizers) are offline for a period
2 exceeding 7 consecutive calendar days, or offline for more than 15 calendar days in
3 any one calendar month, Respondent shall report a detailed description of the
4 reason(s) the equipment was offline (equipment breakdown, maintenance,
5 construction, whether there was sufficient landfill gas control redundancy to control
6 the collected landfill gas, etc.).

7 c. The integrated landfill surface sample analysis and landfill surface monitoring
8 readings identified in Condition Nos. 9 and 10, in a Microsoft Excel spreadsheet
9 format. The aerial surveillance maps, follow-up field inspection measurements with
10 associated dates/times, cause of exceedances, any corrective actions performed, and
11 documentation (date, time, reasoning) of field inspections not performed due to
12 inaccessibility or dangerous conditions identified in Condition 77.

13 d. Estimated schedule for any replacement or refurbishment of granular activated
14 carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N
15 603249) identified in Condition No. 3. The landfill gas temperature at inlet of the
16 Landfill Gas Treatment System (under Permit G55163, A/N 603249) identified in
17 Condition No. 3(a).

18 e. Description of any problems or delays, if any, encountered or projected to occur
19 pertinent to the execution of contracts, as well as the delivery, replacement, startup,
20 and testing of any operation necessary to replenish and/or replace spent granular
21 activated carbon media in the Landfill Gas Treatment System (under Permit
22 G55163, A/N 603249). Respondent shall submit copies of documents or other
23 records to support any problems or delays noted pursuant to this Condition No. 8(e)
24 along with such description.

25 f. Specifications of the equipment and materials used for the weekly colorimetric tests
26 (only if there is a change from the previously provided specifications of the
27 colorimetric instrumentation or method used).

- 1 g. All wellhead temperature, temperature probe, CO concentration measurements for
2 those wells requiring analytical data, H2 concentration measurements for those
3 wells requiring analytical data, CH4 measurements, O2 measurements, CO2
4 measurements, CH4:CO2 ratios, lab analysis, and Draeger tube readings for landfill
5 gas from the past month in a Microsoft Excel spreadsheet format.
- 6 h. A graphic map showing location of each well with temperature exceedances (above
7 145 degrees Fahrenheit), each well with CO exceedances (above 1,000 ppmv and
8 less than or equal to 1,500 ppmv, above 1,500 ppmv and less than or equal to 2,000
9 ppmv, and above 2,000 ppmv), and stratification of temperature ranges during that
10 month, which includes a description of any remedial measures taken to address or
11 lower gas well temperatures or gas concentrations.
- 12 i. All vertical liquid impacted landfill gas wells, per Condition No. 17, including a
13 description of any remedial measures taken to address or reduce liquids in landfill
14 gas wells.
- 15 j. Updates on the investigation into the availability, viability, and utilization, including
16 pilot testing if needed, of an alternative sulfur compound treatment system that
17 controls, treats, or removes dimethyl sulfide (“DMS”) and other sulfur compounds,
18 if any.
- 19 k. A summary report on Respondent’s implemented improvements to the landfill gas
20 collection system beyond the additions to the landfill gas collection system required
21 pursuant to Condition No. 15 and 8(m).
- 22 l. An inspection and repair log for the landfill cover and geosynthetic cover
23 inspections, pursuant to Condition No. 30 and any connection points, seams, and
24 seals of the geosynthetic cover, pursuant to Condition No. 97.
- 25 m. Any subsequent additions to the landfill gas collection system, pursuant to
26 Condition No. 15; an updated vertical extraction well map detailing all existing fully
27 functional working vertical extraction wells and the vertical extraction well
28 additions completed within the month; a map showing an overlay of fully

1 operational working wells and landfill surface monitoring grids, and outlines of the
2 areas demarcated as exempt in the attached Exhibit A pursuant to Condition 15(b);
3 copies of as-built well logs (regarding well depth installations and updates) for
4 vertical extraction wells completed within the month; and an updated map or
5 drawing of as-built landfill gas collection and conveyance infrastructure, current
6 with respect to any substantial modifications to the main headers of the landfill gas
7 collection and control system, with the boundaries of the Reaction Area included.

8 n. Any subsequent additions to the landfill gas condensate or leachate collection
9 system, such as dewatering sumps/pumps, or other dewatering work performed per
10 the dewatering guidelines and implementation plan pursuant to Condition No. 18.

11 o. Updates on the procurement and installation of the geosynthetic cover(s), pursuant
12 to Condition No. 31, and including changes required or approved by the Local
13 Enforcement Agency.

14 p. Updates on landfill excavation work subject to Rule 1150, including excavation
15 location(s) (that are identified on graphic map(s) of the landfill), and
16 excavated/exposed waste characteristics (saturated, semi-dry, dry, odor type and
17 intensity, etc.) Excavation work occurring pursuant to an exemption as listed in
18 South Coast AQMD Rule 1150(c)(3), or Rule 1150(c)(2) that is performed in the
19 Reaction Area, must also be included in these updates.

20 q. Updates regarding leachate including:

21 i. Leachate temperature recordings pursuant to Condition No. 27(a);

22 ii. Daily log of inspection findings and containment activities
23 pursuant to Condition 27(b);

24 iii. Weekly record of leachate seepage and pooling pursuant to
25 Condition 27(c);

26 iv. Quantity of leachate measured, and associated company name and
27 physical address of the off-site disposal/treatment facility(ies) that
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receive leachate generated by the landfill, pursuant to Condition 27(d);

- v. A list of all hazardous and non-hazardous liquid storage and treatment facilities that have been contacted and current status of each facility including available, contracted, and utilized capacity to receive hazardous and non-hazardous landfill liquids; and
- vi. An update regarding the number of tanks in each leachate tank group; the total number of leachate tanks treated; the monthly and year-to-date total quantity of liquid collected; the monthly and year-to-date total quantity of liquid treated; and the monthly and year-to-date total quantity of seeping, pooling, or ponding leachate collected.

r. Daily landfill gas composition analysis, including CH4%, CO concentration (ppm), CO2%, and O2%, as recorded by a real time analyzer and/or sample collected, at the inlets of the control equipment (TOx, Flares, and any additional control equipment brought on site to combust landfill gas). The analysis shall be conducted by a South Coast AQMD approved analyzer for CH4, CO2, or O2 and analyzed pursuant to U.S. EPA Method 10 or Method ALT-144 for CO. Request for approval shall include submittal of analyzer specifications.

s. Updates regarding the procurement of the equipment needed to construct Flare No. 4 pursuant to Condition No. 74.

9. Respondent shall collect integrated landfill surface samples for analysis across the Reaction Area (as defined in Condition 9(a)) at least three times per month, at intervals no more than once every 7 days (unless conducting additional monitoring events exceeding three per month), and additionally across the remainder of the landfill at least four times per quarter as specified in Rule 1150.1 Attachment A 2.0. In the event Respondent is unable to sample specific landfill surface area(s) or grid(s) due to inaccessibility or dangerous conditions for a technician, Respondent shall document the date and the conditions that do not allow the

1 sampling of the specific area(s) or grid(s). Documentation shall be sufficient to show the
2 inaccessibility or dangerous conditions and may include weather forecasts and actual
3 rainfall measurements, or photographs and/or videos that depict the site conditions that
4 prevent such sampling activities for each specific area or grid affected.

5 a. The "Reaction Area" shall be defined initially by the boundary of Cells
6 1/2A, 2B/3, 4, and Module 2B/3/4 P2. The boundary of the Reaction Area
7 shall be modified to include the associated landfill surface area of the cells
8 and modules that experience well temperatures of at least 170 degrees
9 Fahrenheit, settlement, cracks in the landfill cover, presence and quantity
10 of liquids, the presence of hydrogen in the landfill gas, and readings of
11 temperature probes (once data is available). The Reaction Committee
12 (defined in Condition No. 12), shall transmit to the South Coast AQMD
13 [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
14 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov]: 1) the revised
15 map which clearly displays the proposed boundary change(s) and depicts
16 the new Reaction Area; 2) a narrative summary explaining the rationale
17 behind the proposed changes, including memorializing any dissenting
18 view of any member of the Reaction Committee; 3) any supporting data
19 relied upon in the decision to revise the Reaction Area; and 4) locations of
20 each temperature probe, clearly distinguished from the landfill gas wells
21 on the map.

22 b. The Reaction Committee shall review applicable data to determine the
23 extent and boundary of the ongoing Reaction. The Reaction Committee
24 shall consider revision to this data determined Reaction boundary, and the
25 Reaction Area as defined in Condition 9(a), as frequently as appropriate
26 but shall make a determination about whether to revise the data determined
27 Reaction boundary, and the Condition 9(a) Reaction Area map at least
28 once per month. The determination shall be made according to landfill gas

1 wellhead temperatures, temperature probe measurements, landfill gas
2 quality and methane to CO2 ratio, landfill gas concentration of carbon
3 monoxide and hydrogen, landfill settlement, leachate quantities,
4 pressurized leachate releases, odor characteristics, and waste conditions
5 according to borehole drilling logs. Supporting evidence, assumptions,
6 and explanation for the determination, revised Reaction boundary,
7 Reaction Area map (if applicable), isothermal gradient range map
8 consisting of wellhead temperature measurements, wellhead carbon
9 monoxide range map, wellhead hydrogen range map, wellhead CH4:CO2
10 ratio range map, quarterly landfill settlement isopach map, and vertical
11 temperature profiles for temperature probes shall be submitted to the South
12 Coast AQMD [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
13 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov] no later than 10
14 days following the end of the month. Each map specified above shall
15 include an outline of the data determined reaction boundary. The carbon
16 monoxide map shall include differentiated concentration ranges of < 500
17 ppmv, ≥ 500 and < 1,000 ppmv, ≥ 1,000 and < 1,500 ppmv, ≥ 1,500 and
18 < 2,000 ppmv, and ≥ 2,000 ppmv. The hydrogen map shall include
19 differentiated hydrogen concentration ranges of < 2%, ≥ 2 and < 5%, ≥ 5
20 and < 10%, and ≥ 10%. The CH4:CO2 map shall include differentiated
21 ratios of < 0.5, ≥ 0.5 and < 0.9, ≥ 0.9 and < 1.1, ≥ 1.1 and < 1.5, and ≥ 1.5.
22 The landfill settlement isopach map shall include a color scale to
23 demonstrate severity of settlement and shall be updated at least once
24 quarterly.

- 25 10. Respondent shall conduct instantaneous landfill surface monitoring across the Reaction
26 Area (as defined in Condition 9(a)) at least three times per month, at intervals no more than
27 once every 7 days (unless conducting additional monitoring events exceeding three per
28 month), and additionally across the remainder of the landfill at least four times per quarter

1 as specified in Rule 1150.1, Attachment A 3.0, beginning no later than seven (7) days after
2 the issuance of this Order. In the event Respondent is unable to monitor specific landfill
3 surface area(s) or grid(s) due to inaccessibility or dangerous conditions for a technician,
4 Respondent shall document the date and the conditions that do not allow the monitoring of
5 the specific area(s) or grid(s).

- 6 11. Respondent shall continue operating its flares and landfill gas treatment system even if the
7 emitted landfill gas exceeds the limits on total reduced sulfur and SO_x laid out in CCL's
8 permits (Permit G55163, Condition Nos. 11 and 16 and CCL's Facility-Wide Permit,
9 Condition No. 3) and South Coast AQMD Rules 431.1(c)(2), 3002(c)(1), and 203(b).
10 Respondent shall include deviation reporting associated with exceedances of these
11 emissions limits in its semi-annual Title V reports and in accordance with the requirements
12 of Respondent's Title V permit.

13 **Investigation of Underlying Reaction and Odor Impacts**

14 12. Respondent shall organize a committee (the "Reaction Committee") consisting of subject
15 matter experts to aid in the investigation, impact assessment, and remediation of the
16 ongoing landfill reaction and resultant odors as specified below. Respondent shall, through
17 retention of one or more consultants and/or designation of one or more new or existing
18 employees, complete the formation of the Reaction Committee within thirty (30) days of
19 the issuance of this Order. Respondent shall, within thirty (30) days of the issuance of this
20 Order, or within ten (10) days of their appointment, if appointment occurs after October 6,
21 2023, provide to the South Coast AQMD [Baitong Chen, Air Quality Engineer,
22 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov),
23 and Christina Ojeda, Air Quality Inspector (cojeda@aqmd.gov)] the names of all persons
24 included in the Reaction Committee along with a Curriculum Vitae, or other description of
25 the individual's credentials, experience, and/or expertise in the applicable subject matter.

- 26 a. The Reaction Committee shall include, at a minimum, at least one person with
27 subject matter expertise in each of the following areas:

- 28 i. Landfill design and operational best management practices;

- 1 ii. Landfill gas collection/extraction systems, landfill gas
- 2 condensate/leachate collection systems, and landfill gas control;
- 3 iii. Chemical reaction(s) within landfills leading to formation of and
- 4 elevated levels of dimethyl sulfide (“DMS”) and non-methane
- 5 organic compounds (“NMOC”);
- 6 iv. Public health relating to air quality and exposure to air
- 7 contaminants including DMS. The public health member shall, at
- 8 a minimum, apply CAAQS and applicable OEHHA standards,
- 9 reference exposure levels, and cancer potency factors in
- 10 performing analyses of potential health impacts or effects and in
- 11 reaching conclusions. The public health member shall also include
- 12 in any human health screening evaluation an odor assessment
- 13 evaluating the potential health impact of exposure to odorants in
- 14 addition to cancer and non-cancer risk determination.

15 b. Reaction Committee members shall be subject to ongoing oversight by the South
16 Coast AQMD. If in the South Coast AQMD’s determination one or more members
17 appointed by Respondent to the Reaction Committee is not serving in this capacity
18 satisfactorily, as defined herein, South Coast AQMD may provide written notice to
19 Respondent through Counsel that the applicable person(s) is no longer serving
20 satisfactorily. Failure to serve in a satisfactory capacity is defined as:

- 21 i. Failure of a Reaction Committee member to attend regularly
- 22 scheduled meetings of the Reaction Committee and South Coast
- 23 AQMD technical staff without prior notice;
- 24 ii. Failure of a Reaction Committee member to meet deadlines
- 25 imposed on the Reaction Committee for deliverables set forth in
- 26 this Order;
- 27 iii. Failure of the Public Health member to include the analyses
- 28 required by Condition 12(a)(iv); or

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- iv. Failure of a Reaction Committee member to respond in a timely and substantive manner to recommendations provided by South Coast AQMD technical staff, as required by Condition 12(f)(iv)
- c. If Respondent receives such notice from South Coast AQMD, Respondent may respond in writing within ten (10) days to contest South Coast AQMD's conclusion and explain how the member will remedy the cited unsatisfactory conduct and why such conduct does not affect the member's ability to serve in a satisfactory capacity on the Reaction Committee in the future.
- d. If South Coast AQMD receives such a response, South Coast AQMD shall have ten (10) days to determine whether a member of the Reaction Committee may continue to serve on the Reaction Committee. If South Coast AQMD determines that Respondent's written response does not address the alleged unsatisfactory performance, then South Coast AQMD may petition for a status/modification hearing before the Hearing Board, and the Hearing Board shall determine if a member of the Reaction Committee should be removed.
- e. While awaiting a decision from the Hearing Board, a member of the Reaction Committee may continue to serve on the Reaction Committee. If the Hearing Board determines that a member of the Reaction Committee's performance has not been satisfactory, then it may issue an Order directing Respondent to remove and replace that member of the Reaction Committee. Respondent shall remove the applicable person from any further work or service on the Reaction Committee within ten (10) days of receipt of the Order. Respondent shall identify and appoint a replacement member of the Reaction Committee, pursuant to Condition No. 12(a) above, within thirty (30) days of receipt of the Order.
- f. Beginning in March 2024, Respondent shall host a monthly virtual meeting with all members of the Reaction Committee and South Coast AQMD technical staff. The purpose of the monthly meeting shall be to allow Reaction Committee members to provide an update on progress of ongoing and future planned work performed/to be performed pursuant to this Order which is directly related to the subsurface reaction at the Landfill, and allow South Coast AQMD to provide recommendations and/or feedback on such progress.

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- i. To facilitate each meeting, Respondent shall provide South Coast AQMD (attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov; Payam Pakbin, ppakbin@aqmd.gov; Kathryn Roberts, kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov) a proposed agenda listing the topics to be discussed, and the presenter, not later than ten (10) calendar days prior to the meeting. South Coast AQMD shall have the option to expand the agenda to include additional topics within the purview of the Reaction Committee. If South Coast AQMD elects to expand the agenda, it shall provide notice to Respondent not later than four (4) calendar days prior to the meeting. Any tables, graphs, or documents that will be presented during the meeting shall be provided to South Coast AQMD no later than two (2) calendar days prior to the meeting.
- ii. Respondent shall ensure that all members of the Reaction Committee with responsibility for any topic included on the agenda shall attend that month's meeting. At Respondent's election, additional staff or consultants may also attend. At South Coast AQMD's sole discretion, it may invite any staff or consultant of any regulatory agency with jurisdiction over Respondent, including jurisdiction predicated on the subsurface reaction at the Landfill, to participate in and provide recommendations or feedback on any agenda topics.
- iii. South Coast AQMD, and any personnel invited pursuant to the clause above, may provide feedback or recommendations on any topic on the agenda. Comments noted as "recommendations" shall include suggestions to revise, change, expand, or otherwise alter

1 any aspect of the topic discussed on the agenda. All other
2 comments shall be considered feedback.

3 iv. Following each monthly meeting, Respondent shall prepare a
4 summary of the meeting, including the topics discussed and all
5 recommendations received. Respondent shall include in the
6 summary a response from the Reaction Committee to all
7 recommendations and, as applicable, any changes made as a result.
8 Respondent, at its election, may also include a summary of and
9 response to any feedback received. Respondent shall post the
10 summary of the meeting to the webpage created pursuant to
11 Condition No. 39, not later than twenty (20) days following the
12 meeting.

13 g. Respondent, through the Reaction Committee, shall conduct investigations and
14 studies into the cause of the landfill reaction, the impact of air emissions, interim
15 measures to limit odor transport, and corrective measures to reduce or abate the
16 landfill reaction. Such investigations shall include, at a minimum:

17 i. A study into known and possible methods for effective treatment
18 of DMS and preventative mechanisms for DMS formation in
19 landfill gas, including assessment of other landfills and review of
20 scientific studies. By no later than April 30, 2024, Respondent shall
21 provide a report detailing the findings of this Landfill Gas DMS
22 Treatment Study and the proposals for implementation of the
23 treatment methods. This report shall be submitted to South Coast
24 AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
25 Nathaniel Dickel, Senior Air Quality Engineer,
26 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
27 (cojeda@aqmd.gov)]. Respondent shall submit any required
28 permit applications, with information included, for equipment

1 installations or modifications necessary for implementation of the
2 remedy strategies and/or treatment methods;

3 ii. An investigation and report on 1) the cause of the alleged chemical
4 reaction(s) resulting in the elevated well temperatures, elevated
5 levels of DMS formation in the landfill gas, and elevated levels of
6 NMOC formation in the landfill gas and 2) solutions to slow and
7 stop the reaction(s) in the landfill. Investigation into the cause of
8 the alleged chemical reaction(s) shall include, but not be limited
9 to, waste characterization study of waste disposed within the
10 Reaction Area, to the extent records of such waste are within
11 Respondent's possession, including (but not limited to) analysis of
12 chemical and physical characteristics, BTU, moisture content,
13 biological methane potential. Respondent shall also conduct drill
14 core sampling in the Reaction Area (as defined in Condition 9(a))
15 to assess waste characterization in areas not affected by elevated
16 temperatures at the time of drilling. Respondent shall submit a
17 report on the findings of the investigation by no later than
18 December 8, 2023 to South Coast AQMD [Baitong Chen, Air
19 Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior
20 Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda,
21 Air Quality Inspector, (cojeda@aqmd.gov)];

22 iii. An investigation and report on the feasibility and availability of a
23 continuous community emission monitoring system to conduct
24 continuous monitoring and provide estimates of DMS
25 concentrations at the facility fenceline and within the affected
26 community. By no later than December 1, 2023, Respondent shall
27 submit to the South Coast AQMD [Baitong Chen, Air Quality
28 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air

1 Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air
2 Quality Inspector, (cojeda@aqmd.gov)], the feasibility and
3 availability findings of this fenceline and community DMS
4 monitoring program. The findings shall identify all companies,
5 vendors, contractors, and consultants that were inquired regarding
6 the feasibility and availability and the results for each inquiry,
7 including an ultimate decision if monitoring is feasible. If the
8 Reaction Committee deems monitoring under this provision
9 feasible, Respondent shall prepare and submit to the South Coast
10 AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
11 Nathaniel Dickel, Senior Air Quality Engineer,
12 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
13 (cojeda@aqmd.gov)] a workplan for the installation of and
14 operation of the required monitoring equipment and related
15 installations within thirty (30) days of the Reaction Committee's
16 decision. This workplan will include a timeline for procurement of
17 monitoring equipment and for the commencement of monitoring.
18 It will also include a timeline for reporting out on the collected
19 data, including a proposal relating to the real-time posting of
20 monitoring data on Respondent's website or other regular report-
21 outs on the data;

- 22 iv. A study and report on landfill best management practices and
23 alternative methods to minimize the release of fugitive surface gas
24 and minimize odors from fugitive surface gas, including cover
25 practices at the Reaction Area (as defined in Condition 9(a)) and
26 working face, and how best to address related odorous emissions,
27 such as through the use of misting systems, fans, odor neutralizer,
28 or other means. By no later than November 6, 2023, Respondent

1 shall submit a report detailing the findings of this Fugitive Landfill
2 Gas Odor Mitigation Study and the proposals for the minimization
3 of landfill gas release and odors. This report shall be submitted to
4 South Coast AQMD [Baitong Chen, Air Quality Engineer,
5 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
6 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
7 Inspector, (cojeda@aqmd.gov)];

8 v. A report on the known health risks from acute and long-term
9 exposure to DMS, including any action levels from other public
10 health or government entities, and including a summary of
11 recommended actions for persons exposed to DMS for acute and
12 long-term durations. By no later than January 15, 2024,
13 Respondent shall submit this report to South Coast AQMD
14 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
15 Nathaniel Dickel, Senior Air Quality Engineer,
16 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
17 (cojeda@aqmd.gov)];

18 vi. A report of the health impacts from ongoing and long-term (e.g.
19 greater than one year) exposure to hydrogen sulfide (H₂S), or other
20 speciated sulfur compounds, and any other hazardous air pollutants
21 (HAPs), as defined in the federal Clean Air Act, 42 U.S.C. § 7412.
22 The HAPs evaluated in the report shall include those which are
23 detected: (1) in landfill gas over the past twelve months at the
24 Chiquita Canyon Landfill as documented in the initial or additional
25 flux chamber study (per Condition No. 12(f)) or detected in stack
26 emissions testing; (2) in the liquids and leachate samples collected
27 and analyzed (per Condition No. 37); (3) in air sampling performed
28 to determine emissions from exposed liquids/leachate; and (4) in

1 the community pursuant to the enhanced community air
2 monitoring program in exceedance of recommended toxicity
3 screening values published by the US EPA or other applicable
4 screening values where US EPA toxicity screening values are
5 unavailable. The report shall include, but not be limited to,
6 assessment and analysis of any action levels from other public
7 health or government entities in the United States for any such
8 constituents, recommended actions for persons exposed to such
9 constituents, and recommendations on how to limit any anticipated
10 adverse health impacts. Such report shall also include a summary
11 of all findings, health impacts and recommendations in an easy-to-
12 read format designed for distribution to and use by the public. By
13 no later than August 1, 2024, Respondent shall submit this report
14 to South Coast AQMD [Baitong Chen, Air Quality Engineer,
15 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
16 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
17 Inspector, (cojeda@aqmd.gov)]; and

18 vii. The development of a model to estimate the rate of liquid
19 generation in the landfill, and total quantity of liquid existing
20 within the landfill waste mass at any given time (including
21 supporting assumptions, references, and calculations). By no later
22 than June 25, 2024, Respondent shall submit to South Coast
23 AQMD a report summarizing the model and results of modeling.

24 1. Respondent shall update this model and submit to South
25 Coast AQMD [Baitong Chen, Air Quality Engineer,
26 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
27 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air
28 Quality Inspector, (cojeda@aqmd.gov)] a report

1 summarizing the updated model and results of modeling on
2 a semi-annual basis beginning on January 7, 2025 and
3 every six calendar months thereafter.

4 viii. The Reaction Committee, on behalf of Respondent, shall conduct
5 an investigation into the existing landfill gas collection and
6 conveyance piping materials (e.g. high-density polyethylene
7 (HDPE)), alternative landfill gas collection and conveyance piping
8 materials, and current landfill conditions to determine whether the
9 existing HDPE piping is appropriate for the current and expected
10 future temperature conditions at the landfill, and to determine
11 whether viable alternative landfill gas collection/conveyance
12 piping materials exist, which shall include investigation results of
13 materials used by other landfills that have experienced high
14 temperature events. The investigation shall include a study of the
15 material properties, specifications, and ratings and manufacturer's
16 operating properties of piping (e.g. HDPE) within a landfill,
17 including but not limited to, short term maximum manufacturer's
18 temperature rating, long-term manufacturer's maximum
19 temperature rating, effects and associated timeline of effects from
20 operating above manufacturer rated temperatures or specifications,
21 effects and associated timeline effects from consistent exposure of
22 piping to sunlight, ability to convey landfill gas with minimal
23 fugitive vapor leaks, and pliability for integrity of the system
24 during landfill settlement or other common landfill operations or
25 occurrences. These properties shall then be compared with several
26 landfill gas conveyance piping material alternatives. Respondent
27 shall submit a report on this investigation which includes the
28 details of the material and manufacturer operating properties and

1 specifications of piping (e.g. HDPE) and alternative piping as
2 specified above. It shall additionally detail existing and future
3 expected landfill gas temperatures within the landfill gas
4 conveyance piping, including expected temperatures within the
5 piping leaving the landfill gas extraction wells and within the
6 larger conveyance header within the Reaction Area. If applicable,
7 it shall additionally include an analysis on existing landfill gas
8 conveyance piping and future planned piping, and associated
9 piping lengths and diameters, which conveys or will convey
10 landfill gas above the existing HDPE piping's manufacturer rated
11 temperature threshold. Finally, the report shall include a
12 recommendation of the appropriate piping material to use moving
13 forward and when existing piping materials shall be replaced with
14 more robust materials or replaced with existing materials at higher
15 frequencies, at the landfill while the landfill is experiencing
16 elevated temperatures. This report shall be submitted by June 21,
17 2024 to South Coast AQMD [Baitong Chen, Air Quality Engineer,
18 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
19 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
20 Inspector, (cojeda@aqmd.gov)].

21 h. Respondent shall make public all reports resulting from investigations and studies
22 done pursuant to this Condition through a link preceded by a brief narrative
23 description on the webpage created pursuant to Condition No. 39.

24 i. Respondent has conducted an initial flux chamber study pursuant to the direction of
25 the Los Angeles County Department of Public Health. Respondent shall conduct
26 landfill gas flux studies for, at a minimum, methane, non-methane organic
27 compounds ("NMOC"), speciated hydrocarbons (C2-C12), toxic air contaminants
28 (TAC) analyzed by EPA Method TO-15 (including acrolein and additionally at least

1 the ten highest concentration tentatively identified compounds), total reduced sulfur
2 (“TRS”), and speciated sulfur compounds to determine the surface flux throughout
3 the landfill starting with Quarter Four 2024 and once every four months thereafter.
4 The studies shall be conducted through the use of dynamic flux chambers oriented
5 at various locations throughout the landfill site, according to a South Coast AQMD
6 approved protocol. Respondent shall prepare a proposed protocol(s) for the studies
7 and shall submit the protocol(s) to South Coast AQMD [Baitong Chen, Air Quality
8 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
9 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
10 (cojeda@aqmd.gov)] for review and approval at least 75 days prior to the start of
11 the month in which the test is planned, unless otherwise approved in writing by
12 South Coast AQMD. A previous flux study protocol, reviewed and approved by
13 South Coast AQMD, may be used if the proposed testing will follow all aspects of
14 the prior South Coast AQMD approved protocol, with the exception of the
15 testing/sampling locations on site. Reports detailing the operational conditions,
16 methodology, quantity of tests and locations, sampling location determination,
17 sampling results, data analysis, emission results, discussion of the results, and
18 comparison of previous flux chamber test results to the current results shall be
19 submitted by no later than 45 days after the end of the month during which a test
20 was conducted, or no later than 90 days after South Coast AQMD approves the
21 protocol, whichever is later, to South Coast AQMD [Baitong Chen, Air Quality
22 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
23 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
24 (cojeda@aqmd.gov)], unless otherwise approved in writing by South Coast AQMD.
25 The initial flux study report, covering the flux study for the fourth quarter of year
26 2024, shall be submitted earlier than the schedule indicated above, by January 15,
27 2025 to South Coast AQMD [Baitong Chen, Air Quality Engineer,
28 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,

1 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
2 (cojeda@aqmd.gov)], unless otherwise approved in writing by South Coast AQMD.
3 Respondent shall provide notice of the test date for each test to South Coast AQMD
4 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior
5 Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
6 Inspector, (cojeda@aqmd.gov)] at least 14 days prior to the scheduled test.

7 **Landfill Gas Collection and Leachate/Landfill Gas Condensate Collection and Storage Systems**

8 13. Respondent shall expand its gas well system. Respondent shall continue to operate the two
9 sumps with pumps along the west slope until final design is implemented. Additional
10 landfill gas collection equipment shall be operated as construction is completed.
11 Respondent has installed 18 vertical dual extraction wells, and these 18 vertical dual
12 extraction wells shall be connected to the landfill gas system by September 15, 2023 unless
13 the circumstances outlined in Condition 13(a) apply.

14 a. In the event Respondent is unable to meet these deadlines due to
15 inaccessibility or dangerous conditions for a technician, Respondent shall
16 document the date and the conditions that do not allow the installation of
17 the wells and/or their connection to the landfill gas system. Respondent
18 shall submit this documentation to the South Coast AQMD and provide
19 the South Coast AQMD with an updated date of completion for the
20 required work.

21 14. Respondent shall continue to monitor each landfill gas collection system well at least
22 monthly for at least temperature pursuant to 40 CFR Part 63 Subpart AAAA. Respondent
23 shall address wells with a temperature reading of at least 170 degrees Fahrenheit or greater
24 in accordance with 40 CFR 63 Subpart AAAA. Notwithstanding temperature exceedances,
25 Respondent shall continue to operate all wells as necessary to ensure the continued
26 operation of the landfill gas collection system.

27 a. Consistent with Respondent's Title V permit and all applicable rules and
28 regulations, Respondent shall ensure the operation of the landfill gas

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collection system equipment does not result in the release of raw landfill gas or condensate into the atmosphere.

- b. Any breakdown or malfunction of the landfill gas collection system resulting in the emission of raw landfill gas as described in Condition 14(a) shall be reported to the South Coast AQMD by phone (1-800-CUT-SMOG) or other District-approved method within one hour after occurrence or within one hour of the time said person knew or reasonably should have known of its occurrence and immediate remedial measures shall be undertaken to correct the problem and prevent further emissions into the atmosphere.

15. Respondent shall continue to evaluate and install, as needed, vertical dual extraction wells to collect both landfill gas and leachate. Respondent shall continue to expand the well-field as needed, and notify South Coast AQMD by October 31, 2023 of the number of wells added, attention to Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov). Any subsequent additions to the well-field shall be documented in the monthly reports pursuant to Condition No. 8. In installing any additional wells, Respondent shall ensure it complies with all conditions in Respondent's currently operative landfill gas collection system permit. In installing any additional wells pursuant to this Condition, Respondent shall additionally take the following measures:

- a. By January 31, 2024, Respondent shall provide to the South Coast AQMD [attn: Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] the design and installation schedule for a minimum of an additional seventy (70) wells and their associated piping. The proposed well locations and connecting piping shall be identified on a drawing which shows the entire gas collection system and shall be described in writing. Estimated gas

1 collection volume, well depths, pipe lengths, diameters and layouts shall
2 be supplied to the South Coast AQMD in this advance notification.
3 Updates to the design and schedule shall be provided in the monthly report
4 pursuant to Condition No. 8(m);

5 b. By January 6, 2025, unless otherwise approved in writing by the South
6 Coast AQMD, Respondent shall install vertical landfill gas extraction
7 wells in the initial Reaction Area (including the boundary of Cells 1/2A,
8 2B/3, 4, and Module 2B/3/4 P2 as defined in Condition 9(a)). These wells
9 shall be fully operational, working wells, installed with desired depth
10 within the landfill waste mass (approximately 30 ft from the bottom liner),
11 with the ability to extract landfill gas within the depths of the landfill waste
12 mass and deliver it to the gas control system(s). Respondent shall achieve
13 a vertical gas extraction well density of wells installed at the desired depth,
14 at a minimum, an average of three (3) wells per acre within the initial
15 Reaction Area stated above, and within the estimated extent of elevated
16 temperature landfill conditions as depicted by the Reaction Committee in
17 their monthly determinations submitted in accordance with Condition
18 9(a). The wells with the desired depth shall be installed with even
19 dispersion, achieving a well density of at least two (2) vertical extraction
20 wells within any one acre, except for the areas demarcated in the attached
21 Exhibit A to this Modified Stipulated Order. The following interim
22 deadlines shall apply to this Condition 15(b) for wells installed with the
23 desired depth:

- 24 i. By July 1, 2024, installation of 50% of wells necessary to achieve
25 the well installation density; and
26 ii. By October 1, 2024, installation of 75% of wells necessary to
27 achieve the well installation density.
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- iii. In the circumstance that vertical landfill gas extraction wells are incapable of being installed with the desired depth within the initial Reaction Area in accordance with the schedule specified above, due to the ongoing Reaction Area conditions, Respondent shall install the wells to the depths achievable at the densities specified in Condition No. 15(b)(i) above, and in accordance with the schedule specified in Condition Nos. 15(b), 15(b)(i) and 15(b)(ii). Respondent shall then achieve the well installation depth and density requirements of described above in Condition 15(b) by August 17, 2026, unless otherwise approved in writing by South Coast AQMD.
- iv. If any reading of 500 ppmv TOC or greater is detected during instantaneous surface monitoring required by Condition No. 10, corrective actions shall be taken by the Respondent within 2 calendar days after detecting the exceedance, including, but not limited to the following: cover maintenance or repair, or well vacuum adjustments. The location shall be remonitored no later than 10 calendar days after detecting the exceedance. If the remonitoring of the location shows a second exceedance, the Respondent shall install and operate the new and/or replacement well(s) no later than 30 days after detecting the initial exceedance, or otherwise approved in writing by South Coast AQMD.
- v. If any reading of 25 ppmv TOC or greater is detected during integrated surface sampling required by Condition No. 9, corrective actions shall be taken by Respondent within 2 calendar days after detecting the exceedance, including, but not limited to, the following: the gas collection equipment and the landfill cover shall be serviced in the vicinity of the grid with the exceedance

1 (e.g. cover maintenance or repair, or well vacuum adjustments).
2 The grid shall be resampled no later than 10 calendar days after
3 detecting the exceedance. If the resampling of the grid shows a
4 second exceedance, the Respondent shall install and operate the
5 new and/or replacement well(s) no later than 30 days after
6 detecting the initial exceedance, or otherwise approved in writing
7 by South Coast AQMD.

8 vi. An extension to the well installation timelines under Condition
9 15(b)(iv and v) above may be requested in writing, submitted to
10 South Coast AQMD [Baitong Chen, Air Quality Engineer,
11 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
12 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
13 Inspector, (cojeda@aqmd.gov)]. The extension request shall be
14 submitted at least 7 days prior to the 30-day well installation
15 deadline, and shall include, at a minimum, the instantaneous
16 surface monitoring and/or integrated surface sampling data,
17 corrective actions performed, date of all monitoring/sampling and
18 corrective actions performed, and detailed reasoning of equipment
19 delays, operational concerns, safety concerns, or other reasons
20 inhibiting the installation of the well(s) according to the 30-day
21 schedule.

22 c. While installing wells pursuant to Conditions 15(a) and 15(b), Respondent
23 shall notify the South Coast AQMD [attn: Baitong Chen, Air Quality
24 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
25 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
26 Inspector, (cojeda@aqmd.gov)] in writing, by Friday of each week, which
27 wells are scheduled to be installed the following week;
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- d. Following installation of all wells pursuant to Conditions 15(a) and 15(b), Respondent shall notify the South Coast AQMD in writing [attn: Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] at least one (1) week in advance when an additional well or set of wells and their associated piping will be installed. The information required by Condition 15(a) shall be included in the notification. Updates to the design and schedule shall be provided in the monthly report pursuant to Condition No. 8(m);
- e. During any well drilling a landfill gas control box shall be used to prevent the emissions of landfill gas into the atmosphere, and this control box shall be vented to an approved emissions control system;
- f. Each well shall be completed and capped the same day its construction commences, unless the well hole is completely covered (using a minimum 8'x 8' at least 0.25" thick steel plate, and 12 inches depth of clean dirt), or the subsequently installed pipe is capped;
- g. Each gas collection well shall be connected to an operating landfill gas header or the ends of the well shall be sealed with blind flanges, glued or fused caps, or other types of seals approved by the South Coast AQMD as soon as the well is installed;
- h. All openings and connections of the landfill gas collection system shall be properly covered and sealed to prevent leaks in accordance with Respondent's Title V Permit and in accordance with all applicable rules and regulations;
- i. Respondent shall install additional stainless steel, carbon steel, or chlorinated polyvinyl chloride (CPVC) wells in the Reaction Area per recommendation of the Reaction Committee. Stainless steel or carbon

1 steel shall be installed for any well which has gas temperatures exceeding
2 170 degrees Fahrenheit;

3 j. Following the installation of additional wells per Conditions 15(a) and
4 15(b), Respondent shall replace any wells in the Reaction Area which are
5 damaged, blocked, pinched, or which have gas temperatures exceeding
6 145 degrees Fahrenheit with CPVC wells, carbon steel, and/or stainless
7 steel wells, or add new wells that replace the landfill gas extraction
8 capacity. Within 7 days of discovery of any such well, Respondent shall
9 notify South Coast AQMD in writing [attn: Baitong Chen, Air Quality
10 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
11 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
12 Inspector, (cojeda@aqmd.gov)] of a proposed installation schedule.
13 Installation shall take place within 7 days of the notification, whenever
14 feasible, but the schedule shall take into account availability of drilling
15 equipment, replacement materials, and weather and safety conditions.
16 Following initial notification, Respondent shall update South Coast
17 AQMD in writing every 7 days until the well installation is complete, with
18 evidence substantiating the delay, and additionally shall provide an
19 updated installation schedule.

20 k. Respondent shall, once additional/adequate gas extraction capacity is
21 installed, operate gas extraction wells with less than 3 percent oxygen
22 where feasible, and follow landfill best management practices to keep the
23 oxygen below 5 percent in interior wells;

24 l. Respondent shall install well boots seals on all wells in the Reaction Area
25 in accordance with the installation schedule for the geosynthetic cover that
26 is being installed pursuant to Condition No. 31 and consistent with
27 requirements of the Local Enforcement Agency;
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- 1 m. Respondent shall submit semi-annual as-built drawings in duplicate to the
2 South Coast AQMD [attn: Baitong Chen, Air Quality Engineer,
3 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
4 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
5 (cojeda@aqmd.gov)]. As-built drawings shall depict all wells constructed
6 to date.
- 7 n. As of April 25, 2024, all new vertical extraction wells installed within the
8 Reaction Area (as defined in Condition 9(a)) shall be dual extraction wells
9 with the ability to extract both landfill gas and liquid/leachate within the
10 well, to maximize landfill gas collection and prevent liquid/leachate build-
11 up within wells and within the landfill. Dewatering pumps and associated
12 infrastructure (pneumatic supply piping, liquid forcemain piping, etc.)
13 shall be installed, allowing the pump at each well to be capable of
14 operation. For 75% of wells, installation of all associated infrastructure
15 shall be completed within 30 days of completion of the vertical extraction
16 well drilling operation. For the remaining 25% of wells, installation of all
17 associated infrastructure shall be completed within 60 days of completion
18 of the vertical extraction well drilling operation. This sub-condition shall
19 supersede the specific language listed in Condition No. 15 allowing
20 Respondent to evaluate and install vertical dual extraction wells as needed.
- 21 o. Respondent shall, on a monthly basis determine whether any of the
22 existing landfill gas collection wells in the Reaction Area (as defined in
23 Condition 9(a)), which were not able to be drilled and installed at the
24 desired well depth (generally approximately 30 ft above the bottom liner),
25 can be expanded deeper or drilled to achieve the initially desired depth, or
26 whether new replacement wells can be drilled nearby to achieve the
27 initially desired depth. This determination shall include an evaluation of
28 the landfill gas well/wellbore conditions, landfill liquid/leachate flow data,

1 pressurized liquid/leachate release data, and landfill gas data, wellhead
2 temperature data, temperature probe data, and any additional parameters
3 as necessary. Respondent shall report on the monthly determination, along
4 with any supporting evidence and reasoning for the determination, as part
5 of the monthly report pursuant to Condition No. 8, beginning with the
6 report submitted in October 2024 covering data from September 2024.

7 16. Respondent shall submit, by October 6, 2023, a complete permit modification application
8 for the Landfill Gas Collection System (under Permit G43917, A/N 578102) to increase the
9 number of permitted wells in the well field. The submittal shall be accompanied with a
10 complete Title V Revision application and shall be submitted with an expedited permit
11 processing request and associated required fees, forms, and information.

12 17. Respondent shall expeditiously dewater wells being impacted by liquids to the maximum
13 extent feasible, and shall take proactive measures to remove additional liquids in the
14 Reaction Area to limit the reaction severity and spread. This shall be accomplished through
15 the installation of dewatering sumps/pumps of at least 60 percent of the landfill gas vertical
16 extraction wells in the Reaction Area (as defined in Condition 9(a)) that are capable of
17 extracting liquids by March 15, 2024 unless otherwise determined infeasible per Condition
18 No. 17(a). below. Respondent shall provide updates in the monthly reports pursuant to
19 Condition No. 8.

20 a. In the event Respondent determines that the installation of dewatering
21 sump/pumps of at least 60 percent of the landfill gas vertical extraction
22 wells that are capable of extracting liquids to be infeasible, Respondent
23 shall provide detailed rationale and reasoning in the monthly report
24 submitted pursuant to Condition No. 8 and shall continue with
25 implementation of the dewatering guidelines pursuant to Condition No. 18
26 to remove liquids to the maximum extent possible.

27 18. Respondent shall, in addition to the installation of dewatering sumps/pumps specified in
28 Condition No. 17 above, within ninety (90) days of the issuance of the Initial Order, provide

1 proposed Reaction Area dewatering guidelines and implementation procedures for the
2 landfill to South Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
3 Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov)) that include but are
4 not limited to the following:

- 5 a. Proposed methodologies and monitoring procedures that determine the level of
6 dewatering within the Reaction Area (as defined in Condition 9(a)) wells impacted
7 by liquid. Methods may include the measurement of the gas flow at each landfill
8 gas collection well impacted by liquids;
- 9 b. Use of dewatering pumps or other methods to remove liquids from Reaction Area
10 (as defined in Condition 9(a)) wells impacted by liquids;
- 11 c. An implementation plan for the use of dewatering pumps or other methods to
12 remove liquids from the Reaction Area wells impacted by liquids. The plan shall
13 include a list of wells in the Reaction Area and depth where liquids are expected to
14 impact landfill gas collection efficacy or be a concern, the proposed action to
15 remove the liquids, and the schedule for liquid removal. The implementation plan
16 shall also include pro-active measures, such as additional dewatering pumps, to be
17 installed at landfill gas collection wells where liquid impaction issues have not yet
18 occurred, but may be expected to occur.
- 19 d. Upgrades to the site leachate collection system as needed, including through the
20 addition of increased air compressor and/or drain line infrastructure;
- 21 e. Protocols for the pumping and monitoring of dewatering pumps and other such
22 methods to remove water from Reaction Area (as defined in Condition 9(a)) wells
23 impacted by liquids;
- 24 f. Well field liquid sounding in the Reaction Area (as defined in Condition 9(a)), and
25 a proposed schedule for conducting liquid sounding on a consistent basis;
- 26 g. A timeline for appropriate reporting on impacted wells;
- 27 h. The feasibility of integrity testing of all vertical gas wells in the Reaction Area (as
28 defined in Condition 9(a)) and a timeline and protocol for addressing any wells that

1 the integrity testing demonstrates are damaged or are exhibiting temperatures of at
2 least 170 degrees Fahrenheit; and

- 3 i. A timeline for implementation of appropriate dewatering procedures upon
4 discovery of wells impacted by liquids.

5 Respondent shall, within 14 calendar days of approval of this Order, revise the dewatering
6 guidelines according to the comments received by email on March 13, 2024, and re-submit
7 the revised dewatering guidelines to South Coast AQMD for final written approval. The
8 proposed Reaction Area dewatering guidelines and implementation procedures shall be
9 implemented within seven (7) days of South Coast AQMD approval, and shall be
10 implemented to the maximum extent feasible if Respondent's facility is encountering
11 leachate tank capacity shortages. If any conflict exists between any condition or
12 requirement of this Order and any part of the South Coast AQMD approved Dewatering
13 Guidelines, this Order shall take precedence over the approved Dewatering Guidelines and
14 Respondent shall submit revised Dewatering Guidelines that resolve such a conflict to
15 South Coast AQMD for final written approval.

- 16 19. Respondent shall submit, by October 6, 2023, a complete permit modification application
17 to the Landfill Gas Condensate and Leachate Collection/Storage System (under Permit
18 G66132, A/N 613131) to increase the landfill's liquid storage capacity. The submittal shall
19 be accompanied with a complete Title V Revision application and shall be submitted with
20 an expedited permit processing request and associated required fees, forms, and
21 information.

- 22 20. Respondent shall increase its landfill gas control capacity. Respondent has submitted a
23 permit application for a new 6,000 scfm ultra-low emissions landfill gas flare (Flare No. 3),
24 which is currently in a public comment period. Once the flare is fully permitted and fully
25 operational equipment is received, Respondent shall have forty-five (45) days to finish
26 installation and begin operating the new landfill gas flare unless the circumstances outlined
27 in Condition No. 20(a) apply. Respondent shall notify the South Coast AQMD that the new
28 landfill gas flare is operational within 48 hours of beginning operation (Baitong Chen, Air

1 Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
2 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

3 a. In the event Respondent is unable to meet these deadlines due to inaccessibility or
4 dangerous conditions for a technician, Respondent shall document the date and the
5 conditions that do not allow the installation of the new flare. Respondent shall
6 submit this documentation to the South Coast AQMD and provide the South Coast
7 AQMD with an updated date of completion for the required work.

8 21. Respondent shall submit, by October 31, 2023, a complete permit application for the new
9 construction of a Landfill Gas Flare (Flare No. 4) to increase the landfill gas control
10 capacity. The submittal shall be accompanied with a complete Title V Revision application
11 and shall be submitted with an expedited permit processing request and associated required
12 fees, forms, and information.

13 22. Respondent shall continue to use one or multiple portable thermal oxidizer(s)/flare(s) that
14 operate under a permit to operate or temporary permit to operate for additional landfill gas
15 control capacity until the Reaction Committee concludes that such portable thermal
16 oxidizer(s)/flare(s) are no longer needed. Respondent shall notify the South Coast AQMD
17 as to the Reaction Committee's recommendation within 48 hours of when the Reaction
18 Committee's recommendation was determined (Baitong Chen, Air Quality Engineer,
19 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov),
20 and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

21 23. Respondent shall continue to use one or both 4,000 scfm flares (under Permit No. G73696,
22 A/N 645450) when the Reaction Committee determines that such use is necessary due to
23 insufficient flaring capacity or other such necessity-based situations, until the third new
24 6,000 scfm ultra-low emissions flare (Flare No. 5) referenced in Condition No. 70(a) is
25 permitted and operational.

26 24. Respondent shall operate and maintain the landfill so as to prevent standing leachate and
27 the pooling or ponding of leachate exposed to atmosphere throughout the facility. If pooling
28 or ponding of liquid/leachate is occurring, safety permitting, the liquid/leachate shall be

- 1 immediately collected and contained in a sealed tanker truck or leachate tank that minimizes
2 emissions, or repairs promptly performed to redirect leachate into the leachate collection
3 system.
- 4 25. Respondent shall, when encountering landfill leachate geysers or other discharges of
5 pressurized leachate as a result of drilling/maintenance/other operations, perform actions to
6 mitigate odors and the dispersion and exposure of leachate into the atmosphere, to the
7 maximum extent possible. Upon the equalization of pressure or diminished flow/end of the
8 landfill leachate geysers or other discharges of pressurized leachate, Respondent shall
9 remove soil saturated with leachate or add sufficient dry soil cover to the soil saturated with
10 the leachate, to mitigate the potential for odors from the saturated soil.
- 11 26. Respondent shall investigate and report on the feasibility of temporary containment
12 measures for the purposes of controlling leachate and possible discharges of pressurized
13 leachate when drilling additional holes for wells, liquid pumps, temperature devices, or
14 other purposes. This Discharge of Pressurized Leachate Containment Feasibility Study
15 shall include an analysis on the feasibility of a temporary tenting, containment
16 vessel(s)/dome(s), other enclosure(s), or partial enclosure system designed to collect and
17 contain the leachate flow while limiting the escape of odors produced from drilling/
18 discharges of pressurized leachate, to allow for additional well drilling in the Reaction Area.
19 By no later than March 12, 2024, Respondent shall submit to South Coast AQMD [Baitong
20 Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
21 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
22 (cojeda@aqmd.gov)], a report on the findings of this feasibility study.
- 23 27. Respondent shall conduct the following actions and report them to South Coast AQMD
24 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
25 Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
26 (cojeda@aqmd.gov)] in each monthly report submitted pursuant to Condition No. 8
27 beginning with the report due on February 19, 2024:
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- 1 a. Measure and record the leachate temperature within all the 6-inch leachate
2 pipes feeding into the onsite frac tanks, and at the piping leading into the
3 tanks at all tank farms. The temperature measurements reported shall
4 include a map clearly indicating temperature monitoring location(s), and
5 the reported results shall clearly state which tank(s) or tank farm(s) are
6 downstream of the monitoring location, receiving the measured leachate;
- 7 b. Respondent shall have dedicated staff or a contractor conduct and
8 document inspections twice each calendar day, once in the morning,
9 completing the inspection prior to 10 am, and once in the afternoon,
10 starting the inspection at 1 pm at the earliest. The inspections shall begin
11 with the surface of the Western and Northern slopes of the Reaction Area
12 for liquid/leachate seepage and pooling and shall additionally consist of
13 inspecting the facility's stormwater channel(s), and the facility's
14 stormwater basin(s). Respondent shall maintain records from each
15 inspection that include the details of any leachate seepage and pooling,
16 including location(s) (identified on graphic map(s) of the landfill, with the
17 subject landfill surface grid, and GPS coordinates), time discovered,
18 estimated duration of presence of leachate at such locations, the
19 characteristics of the leachate (estimated quantity in gallons, extent of area
20 impacted in square footage, odor type and intensity), the leachate
21 saturation level of surrounding soils (standing free liquid, saturated, semi-
22 dry, dry), and additional containment systems or measures deployed to
23 route, collect, and contain the exposed leachate and prevent further
24 leachate exposure
- 25 i. In the event that two weeks of twice daily inspections show no
26 exposed liquid/leachate seepage or pooling, Respondent may
27 reduce the inspection frequency to once daily. If after another two
28 weeks of daily inspections, no exposed liquid/leachate seepage or

1 pooling is observed, Respondent may reduce the inspection
2 frequency to once every other day during the operating week (i.e.,
3 three times each operating week). If at any point inspections show
4 exposed liquid/leachate seepage or pooling, inspection frequency
5 shall return to twice daily inspections.

6 c. On a weekly basis, compile and report the details of the inspection logs
7 from that calendar week required under Condition 27(b). Respondent shall
8 additionally report on any ongoing leachate seepage and pooling at the
9 landfill, found to have occurred at a location more than once within the
10 calendar week, including location(s) (identified on graphic map(s) of the
11 landfill), estimated duration of presence of leachate at such locations,
12 characteristics of leachate (estimated quantity, extent of area impacted,
13 odor type and intensity), leachate saturation of surrounding soils (standing
14 free liquid, saturated, semi-dry, dry), and containment systems or
15 measures deployed to route, collect, and contain the exposed leachate and
16 prevent further leachate exposure. By no later than January 23, 2024,
17 Respondent shall submit to South Coast AQMD [Baitong Chen, Air
18 Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
19 Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
20 Inspector, (cojeda@aqmd.gov)], the first weekly report, and shall submit
21 an additional weekly report every 7 calendar days thereafter;

22 d. Measure and record quantities of leachate sent off-site for
23 disposal/treatment during the previous week for so long as all leachate is
24 transported offsite for disposal. Records shall include the associated
25 company name and physical address of the off-site disposal/treatment
26 facility(ies) that receive leachate generated by the landfill. If Respondent
27 begins onsite treatment, it shall also record on a weekly basis quantities of
28 leachate collected and leachate treated onsite. Respondent shall report this

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information in the monthly reports pursuant to Condition 8(c). Respondent shall submit copies of the manifests to South Coast AQMD within three weeks of request.

- e. Respondent shall report to South Coast AQMD any leachate leak or spill separately from leachate seeps reports specified in Condition 27(c). The report shall be submitted to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] within 48 hours of discovering the leak or spill. The report shall, at a minimum, include (1) the date and time of the leak or spill; (2) area designation inspected; (3) the name of the person that discovered the leak or spill; (4) written acknowledgement that they did, or did not, take corrective action with rationale for these actions; (5) a root cause analysis on why and how the leak or spill occurred; (6) the estimated quantity of the leak or spill; (7) corrective actions to clean and/or remove the leak or spill; (8) corrective actions implemented or to be implemented, including an estimated timeline, to prevent future recurrence; (9) the type of affiliation of the operator involved in the root cause (e.g., employee, regularly onsite contractor, other contractors, or haulers); (10) whether any individuals involved in the root cause had previously received training on applicable operations to avoid leaks or spills; and (11) the number of times individuals involved in the root cause had previously been involved in the root cause of a leachate leak or spill. If any of the above items are not able to be determined, Respondent shall list “not determined” and a brief explanation. Root cause shall include ultimate determination of attribution of error, including, as applicable, operator error, equipment breakdown, equipment malfunction, lack of training, lack of documented procedures, lack of following procedures, etc, to the extent known at the time the report

1 is submitted to South Coast AQMD after good faith investigation. For
2 spills or leaks of greater than 100 gallons where root cause was not
3 determined at the time of report submission, Respondent shall provide a
4 supplement to the report following completion of investigation and
5 determination of the root cause.

6 f. Respondent shall develop Standard Operating Procedures (SOPs) for
7 leachate tank operations in accordance with industry standards and best
8 management practices, to prevent leachate tank overflow, failure, and
9 spillage in the tank farm areas. Respondent shall additionally conduct daily
10 inspections of leachate tanks, tank connections, ports, valves, tank hoses,
11 and any other equipment associated with leachate tank filling/emptying
12 operations, to determine equipment condition material integrity, to prevent
13 leaks. The SOPs shall be submitted to South Coast AQMD for review and
14 approval [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
15 Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and
16 Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)], by no later
17 than September 23, 2024, unless otherwise approved in writing by South
18 Coast AQMD. The SOPs shall be implemented within 7 days of South
19 Coast AQMD approval.

20 i. Respondent shall revise the SOPs developed under Condition No.
21 27(f) to include instructions for leachate tanker truck operations,
22 as applicable to the leachate tank farms installed on site, in
23 accordance with industry standards and best management
24 practices. The goal of these revisions shall be to prevent leachate
25 overflow, leaks, spillage, equipment failure, operator error, and to
26 prevent and minimize any other exposure of leachate and leachate
27 vapors to atmosphere in and around the tank farm areas. The
28 revised SOPs shall be submitted to South Coast AQMD for review

1 and approval [Baitong Chen, Air Quality Engineer,
2 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
3 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
4 Inspector, (cojeda@aqmd.gov)], by no later than January 9, 2026,
5 unless otherwise approved in writing by South Coast AQMD. The
6 revised SOPs shall be implemented upon submission. Should
7 South Coast AQMD provide any comment(s) on these revised
8 SOPs or any subsequent revised SOPs, Respondent shall
9 incorporate South Coast AQMD comments and submit further
10 revised SOPs, or shall provide detailed justification for not
11 incorporating comments, to South Coast AQMD within 15 days of
12 receipt of the comments.

13 ii. Respondent shall review and revise the SOPs as needed, but at least
14 every 6 months, according to any changes in leachate tank
15 operations, and with consideration of root cause analyses for spills
16 and/or leaks under Condition No. 27(e)(5), with consideration for
17 corrective actions implemented or to be implemented under
18 Condition No. 27(e)(8), and with consideration of any South Coast
19 AQMD comments. Revised SOPs shall be submitted to South
20 Coast AQMD for review and approval at least every 6 months, and
21 shall include redlined and clean versions. Revised SOPs shall be
22 implemented upon submission. Should South Coast AQMD
23 provide any comments on these revised SOPs or any subsequent
24 revised SOPs, Respondent shall respond and/or provide further
25 revised SOPs to South Coast AQMD within 15 days of receipt of
26 the comments.

27 g. Respondent shall not overflow leachate collection/storage tanks or liquid
28 treatment tanks.

1 28. Respondent shall operate and maintain the landfill gas collection and control system, and
2 condensate/leachate collection system with materials capable of handling gases and/or
3 liquids at the temperatures recorded at landfill gas wells and/or the leachate temperatures
4 measured pursuant to Condition No. 27(a). This shall include, but is not limited to, landfill
5 gas extraction wells, liquid/leachate extraction wells, sumps, pumps, piping, French drain
6 system(s), landfill gas treatment and control equipment, and condensate/leachate storage
7 equipment. Respondent shall utilize casing materials for wells with elevated temperatures
8 as agreed upon with the LEA. Information pertaining to the installed equipment and its
9 specifications, including material/temperature threshold specifications, shall be provided to
10 South Coast AQMD personnel within 48 hours of request. If Respondent is not in
11 possession of this information, it shall be requested from the manufacturer within 24 hours
12 of request by South Coast AQMD personnel and provided to South Coast AQMD personnel
13 within 24 hours of receipt from the manufacturer.

14 29. Respondent shall ensure it has proper landfill leachate and landfill gas condensate capacity
15 (based on liquid production and collection reporting pursuant to Condition 8) to accumulate
16 onsite and/or dispose of collected liquids/leachate at an appropriate facility or facilities.
17 Respondent shall comply with the Leachate Management Plan approved by the EPA and
18 submitted to the South Coast AQMD pursuant to Condition No. 64, which includes
19 contingency measures such as whether it is appropriate to reduce pumping operations in
20 case of an emergency.

21 **Landfill Cover**

22 30. Respondent shall visually inspect the landfill cover and geosynthetic cover(s) in and around
23 the Reaction Area (as defined in Condition No. 9(a)), and any additional geosynthetic cover
24 installed on site, each operating day and shall promptly repair any cover issues identified,
25 which may include adding and spreading of clean soil, wetting, retracking any damaged
26 area, and repairing or resealing of the geosynthetic cover. Any repair of the geosynthetic
27 cover which includes addition of material to add or replace to the existing cover shall be
28 done using an EVOH, or, if EVOH is unavailable and repair is on or before three months

1 from the date DTSC approves the EVOH, an HDPE geomembrane. The EVOH or HDPE
2 geomembrane shall be of at least 60 mil thickness continuously seamed and continuously
3 welded to the existing 30 mil HDPE geomembrane. All repair and correction actions to the
4 landfill cover, and interim repair of geosynthetic cover shall be conducted promptly and no
5 later than two hours after identification during inspection, safety permitting. Permanent
6 repair of geosynthetic cover shall be scheduled immediately and shall take place as soon as
7 possible following identification of cover issue. Respondent shall maintain a log
8 demonstrating that it has addressed any damages to the landfill cover or geosynthetic cover,
9 including the date the damage was identified, the action taken to repair the damage, and the
10 time at which the repair was completed. Results of the daily inspection and the repair log
11 required by this condition shall be included in the monthly reports required pursuant to
12 Condition No. 8.

- 13 31. Respondent shall install a geosynthetic cover over western portions of Module 2B/3/4 Phase
14 2, Module 2B/3, and Module 4 to limit the migration of landfill gas from the site.
15 Respondent shall submit the completed design for the cover, which will provide greater
16 definition to the cover location, including associated landfill gas extraction infrastructure
17 to be installed underneath the cover, to the South Coast AQMD by September 12, 2023
18 (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
19 Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
20 (cojeda@aqmd.gov)). Respondent shall then obtain and install the geosynthetic cover
21 material of at least 30 mil thickness. Respondent shall notify South Coast AQMD by
22 October 31, 2023 (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel
23 Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air
24 Quality Inspector, (cojeda@aqmd.gov)) on the progress of procuring and installing the
25 geosynthetic cover. Respondent shall include updates on the procurement and installation
26 of the geosynthetic cover in the monthly reports pursuant to Condition No. 8.

27 **Ambient Air, Leachate & Emissions Monitoring**

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1 32. The Reaction Committee shall review air dispersion modeling, smoke release studies, and
2 computational fluid dynamics (“CFD”) modeling that have previously been completed for
3 the landfill to assess odor and emissions transport into the nearby community. The Reaction
4 Committee shall use the previous models updated with current datapoints to undertake a
5 study to determine odor and emission transport of odors from the landfill and to identify
6 effective techniques that may be used to remedy potential odor impacts on the nearby
7 community. The study shall include an evaluation of the efficacy of odor control measures,
8 including but not limited to perimeter misting equipment, wind barriers, wind cutter fans,
9 and odor dispersion/misting fans, for purposes of minimizing odors in the surrounding
10 community. The study shall be based on both the landfill’s current and projected closure
11 in 2047, topography and configuration. The study shall include, but not be limited to,
12 identifying transport trajectories and quantifying odor gas concentrations within the
13 surrounding community. Upon completion of the study, a written report documenting the
14 study and the findings, shall be submitted to South Coast AQMD by December 1, 2023.
15 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
16 Quality Engineer, (ndickel@aqmd.gov); Christina Ojeda, Air Quality Inspector,
17 (cojeda@aqmd.gov)].

- 18 a. The report shall include a recommendation on whether additional modeling is
19 recommended to fully address the current odor circumstances at the landfill and
20 potential odor impacts on the nearby community.
- 21 b. If such additional modeling is recommended by the Reaction Committee, the
22 Reaction Committee shall, within 45 days of providing the report and
23 recommendation, provide a proposal to the South Coast AQMD that shall, at a
24 minimum, include the following:
 - 25 i. The identification and qualifications of the primary personnel
26 and/or firms proposed to conduct the study, as well as the specific
27 techniques and location(s) where the study will be conducted;

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ii. A timeline for completion of the study and submittal of the final written reports to South Coast AQMD no later than 150 days after South Coast AQMD approval of the study proposal.

c. Since the Reaction Committee recommended additional modeling, Respondent shall, within 14 calendar days of approval of this Order, revise the air modeling study proposal according to the comments received by email on March 28, 2024, and re-submit the revised proposal to South Coast AQMD for approval. Respondent shall submit a final written report on the additional modeling to South Coast AQMD by September 2, 2024 or 90 days following approval of the air modeling study proposal by South Coast AQMD, whichever is later.

33. Respondent shall follow the direction of DPH to expand and enhance its current ambient air monitoring program to include DMS and other constituents of landfill gas, sampling at residential locals where recent odor complaints have been reported and at on-site locations where odors are most pronounced, and to conduct a flux chamber study (the “initial” flux chamber study discussed in Condition No. 12(i)). Any reports submitted to DPH related to these studies shall also be submitted to the South Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

34. By January 19, 2024, Respondent shall provide South Coast AQMD with access to all real-time continuous monitoring data for PM2.5, PM10, and H2S recorded at all monitoring stations (MS-01 through MS-12, and any subsequent additional monitoring stations). Respondent shall by January 19, 2024 or within 5 calendar days after enhanced monitors are brought online, provide South Coast AQMD with access to all real-time continuous monitoring data for total reduced sulfur (TRS) and toxic air contaminants (TAC) recorded by the enhanced monitors (MS-04, MS-12, and any additional enhanced monitors thereafter, including additional monitors as required by Condition No. 36.).

a. Within 30 days of this issuance of this Modified Order, Respondent shall ensure that the weekly 24-hour time-integrated canister samples for benzene, continuous H2S,

1 and methane, and all hourly microGC DMS and VOC concentration data from current
2 and future fence line and community monitoring sites are posted to and accessible at
3 the webpage created pursuant to Condition 39 for public access, displayed in an easy
4 to read graphical format plot with compound concentration (y-axis) in parts per billion
5 volume (ppbV) vs. time (x-axis) in DD/MM/YYYY HH:MM format, which is simple
6 to review and understand. The compounds concentration data displayed in the
7 graphical plot in ppbV shall be plotted based on the finalized data as reported by the
8 testing laboratory or monitoring device ensuring all significant figures are preserved
9 and without rounding. The display shall allow the public to determine the 24-hour
10 time-integrated canister samples for benzene, continuous H₂S and methane, and
11 hourly microGC DMS and VOC concentrations, and the geographic location where
12 the concentration is monitored. The graphical format plot shall additionally reference
13 and display a horizontal dotted or dashed line for each compound's respective
14 Reference Exposure Level (REL) (as applicable) established by California Office of
15 Environmental Health Hazard Assessment (OEHHA): (1) the acute 1-hour OEHHA
16 REL for H₂S, which is the same as the state-level standard for this compound (30
17 ppb), and (2) the acute 1-hour OEHHA REL for benzene (8 ppb). An intuitive
18 mechanism (e.g., a link) to download historical data (for each data source) in a
19 compiled, usable format (such as .csv) should be provided and made publicly
20 accessible on the webpage created pursuant to condition 39 – including full analytical
21 results of the 24-hour time-integrated canister samples, continuous monitoring data
22 for H₂S and methane (including meteorological data), and the hourly DMS and VOC
23 results for all microGC instruments.

- 24 i. Real-time data shall include, but not be limited to, chronological one-hour
25 average H₂S concentrations as time series at each monitoring location. Wind
26 speed and direction shall also be included, if currently monitored by
27 Respondent.
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- ii. The website shall include a map which clearly marks the location of each air monitoring station.
- b. Within 30 days of this issuance of this Order, weekly data (from Saturday at 12:00 am to Friday at 11:59 pm) collected by these monitors shall be made available on the webpage created pursuant to Condition No. 39, in a manner which allows for user defined data download, no later than the following Monday at 5:30 pm. Data from these monitors shall be kept on file and made available to South Coast AQMD personnel upon request.
 - i. In the event of unexpected downtime of a monitor, bump tests, maintenance, or other scenario which may result in missing data or test data being recorded, by March 29, 2024, Respondent shall provide flags or other visual indicators on its website (created pursuant to Condition No. 39) for each data point/set that clearly indicate and document the range of dates/times with the missing or affected data, and indicate the reason for the missing or affected data.
- c. Respondent shall, by April 30, 2024, retain a third party to develop and install a system that provides automatic electronic notification via email for any exceedance of the applicable 1-hour NAAQS, CAAQS, or acute 1-hour OEHHA REL, whichever is lower (both in time and concentration) based on a time weighted average for benzene and H2S monitored in real-time by Respondent's monitoring network within the surrounding community (MS-06 through MS-12) by May 30, 2024. Additionally, by September 23, 2024, Respondent, through its retained contractor, shall develop and install a system allowing identical electronic notification via email for any exceedance of the applicable 1-hour NAAQS, CAAQS, or acute 1-hour OEHHA REL, whichever is lower (both in time and concentration) based on a time weighted average for benzene and H2S monitored in real-time by Respondent's monitoring network surrounding the Landfill (MS-01 through MS-05). Such systems shall also provide an automatic electronic notification once the applicable time weighted average falls below the applicable REL. By December 31, 2025, the third party shall

1 revise the system to provide an automatic electronic notification every hour during
2 which the applicable time weighted average continues to be above the applicable
3 REL. The template for all notifications shall be written in coordination with and
4 approved by South Coast AQMD. Respondent shall be responsible for the third party
5 including in such system a method for members of the public to sign up to receive
6 such notifications without any personally identifying information (including email
7 address) being disclosed to Respondent. Respondent shall be responsible for the third
8 party putting into effect the notification system within three business days of direction
9 from South Coast AQMD.

10 i. By December 31, 2025, Respondent shall retain a third party to develop a
11 system that allows for the electronic notifications defined in Condition 34(c)
12 to be distributed via text message. Respondent shall be responsible for the
13 third party including in such system a method for members of the public to
14 sign up to receive such notifications without any personally identifying
15 information (including phone numbers) being disclosed to Respondent.
16 Respondent shall be responsible for the third party putting into effect the
17 notification system within three business days of direction from South Coast
18 AQMD.

19 d. Respondent shall investigate any measurement which results in an exceedance
20 notification being distributed as defined in Condition 34. The investigation should
21 include a review of meteorological conditions in the area near the exceedance event,
22 review of monitors downwind of the exceedance event, review of landfill activity that
23 may have contributed to the exceedance event (e.g. nearby construction, traffic, cracks
24 in soil, tears in liner, flare downtime, etc.), review of recent activity at the monitoring
25 site for any correlation with the exceedance measurement, review of other
26 environmental factors that may have impacted the measurement, and review of any
27 instrument data and data validation/invalidation recommendation(s) provided by the
28 instrument vendor. Within one business day, Respondent shall submit to South Coast

1 AQMD [attn: Stephen Dutz, sdutz@aqmd.gov; Kathryn Roberts,
2 kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov] a preliminary report of
3 its investigation and findings. Full documentation of the above investigation shall be
4 submitted to South Coast AQMD [attn: Stephen Dutz, sdutz@aqmd.gov; Kathryn
5 Roberts, kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov] within four
6 business days, noting any remediation activity or corrective action that took place,
7 along with recurrence minimization if the measurement is found to be invalid.

8 e. By December 31, 2025, Respondent shall retain sufficient third-party support to
9 ensure that all CH₄, H₂S, PM, and meteorological sensors meet data quality
10 objectives identified by the instrument vendor or outlined in the standard operating
11 procedures or quality assurance documentation; and are maintained, calibrated, and
12 replaced in accordance with the instruments' standard operating procedures or quality
13 assurance documentation. For any measurement that results in an exceedance
14 notification being distributed as defined in Condition No. 34, the entity/ies must also
15 provide instrument data and a data validation/invalidation recommendation to
16 Respondent sufficient for Respondent to meet the time frames allotted by Condition
17 34(d) above.

18 f. By December 31, 2025, Respondent shall retain sufficient third-party support to
19 ensure that all microGC instruments meet data quality objectives identified by the
20 instrument vendor or outlined in the standard operating procedures or quality
21 assurance documentation; and are maintained, calibrated, and replaced in accordance
22 with the instruments' standard operating procedures or quality assurance
23 documentation. For any measurement that results in an exceedance notification being
24 distributed as defined in Condition No. 34, the entity/ies must also provide instrument
25 data and a data validation/invalidation recommendation to Respondent sufficient to
26 meet the time frames required by Condition 34(d).

27 35. Respondent shall, by January 19, 2024, provide all standard operating procedures (SOPs)
28 and any other Quality Control and Quality Assurance (QA/QC) documents describing the

1 operation and maintenance of all instruments used at the air monitoring stations and/or
2 enhanced monitoring stations specified in Condition No. 34. These QA/QC documents shall
3 include detailed information on the calibration, and maintenance of the monitoring
4 equipment and associated instrumentation, and procedures used for data handling,
5 validation, and analysis. They shall additionally include the frequency/schedule of these
6 actions. Respondent shall provide these QA/QC documents to South Coast AQMD
7 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
8 Quality Engineer, (ndickel@aqmd.gov); Christina Ojeda, Air Quality Inspector, Payam
9 Pakbin, Atmospheric Measurements Manager, ppakbin@aqmd.gov)]. Respondent shall
10 provide updates to these QA/QC documents (if any) and a log for calibration, and
11 maintenance activities performed on the monitors in the monthly reports pursuant to
12 Condition No. 8.

13 a. Respondent shall provide South Coast AQMD with the same access that Respondent
14 has to on-site and off-site monitoring equipment. With respect to on-site monitoring
15 equipment, Respondent may require all visitors, including South Coast AQMD staff,
16 to don appropriate personal protective equipment. Upon request by South Coast
17 AQMD, Respondent shall, within 24 hours, provide a list of all personal protective
18 equipment that Respondent deems appropriate for accessing the monitoring
19 equipment. Respondent shall not prohibit South Coast AQMD staff from access to
20 Respondent's facility, including the monitoring equipment, if South Coast AQMD
21 staff don all personal protective equipment included on a list issued by Respondent
22 pursuant to this condition. With respect to off-site monitoring equipment, South Coast
23 AQMD shall arrange permission from third-party property owners for access, if
24 necessary, and Respondent shall provide access to equipment and accompany South
25 Coast AQMD personnel.

26 b. Respondent shall implement quality control measures (such as span and blank checks,
27 calibration, etc.) as specified by South Coast AQMD to ensure the accuracy of their
28 monitoring network within 30 days of notification.

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- i. If, following receipt of notification from South Coast AQMD, Respondent disputes the need to take one or more specified quality control measures, Respondent shall submit a response letter to the South Coast AQMD (attn: Stephen Dutz, sdutz@aqmd.gov) not later than 20 days prior to the time for implementation which details the dispute or objection, including provision of supporting evidence as applicable. Respondent shall further propose not less than 3 potential time slots for a virtual meeting during South Coast AQMD business hours where appropriate staff or consultants from Respondent are able to discuss the matter with South Coast AQMD.
- ii. If Respondent follows the procedures outlined in Condition No 35(b)(i) above, the deadline for implementing the disputed quality control measures shall be delayed until a further deadline is set by South Coast AQMD in a response determination.
- iii. If EPA requires Respondent to take any action that is inconsistent with quality control measures specified by South Coast AQMD under this Condition 35(b) with respect to the MicroGCs, Respondent shall immediately contact the South Coast AQMD [attn: Steven Dutz, sdutz@aqmd.gov; Kathryn Roberts, kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov] and describe the inconsistency. Respondent shall endeavor to resolve the inconsistency with the Executive Officer, while adhering to the measures specified by EPA.

36. Respondent shall, by May 1, 2024, install and maintain instrumentation within the nearby residential community, at sites MS-10 and MS-12, as defined in Respondent's existing Community Air Monitoring Program. These instruments shall be capable of measuring hourly concentrations of benzene, toluene, ethylbenzene, xylenes, and other relevant volatile organic compounds (VOC) with site surface emissions greater than 1 ton/year, as indicated in Table 5.5 of the Chiquita Canyon Landfill Assessment of Air Emissions from Landfill Surfaces Report dated October 2023. While long-term solutions for permanent

1 power are implemented and any necessary permits and approvals by regulatory agencies
2 for permanent power are obtained, these instruments will be installed and put into operation
3 using temporary power to allow for continuous measurements of all volatile organic
4 compounds required. It is recognized that the use of temporary power may not guarantee
5 the uninterrupted operation of these instruments. Respondent shall develop a monitoring
6 plan that utilizes reliable and field-proven instrumentation, such as a micro gas
7 chromatograph (MicroGC) with pre-concentration, and seek approval from South Coast
8 AQMD. Respondent shall request and pay for expedited processing of all permits and
9 procurement of the instruments, if available. To ensure Respondent is on schedule to
10 complete installation within the 75 days, Respondent shall provide the South Coast AQMD
11 (attn: Kathryn Roberts, kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov) an
12 update at intervals of 30 days and 60 days from the issuance of the Order. Respondent shall
13 specifically address whether it believes an extension is necessary and provide supporting
14 documentation if it is seeking such extension. The AQMD may grant an extension of up to
15 60 days as appropriate based on the evidence submitted.

16 a. Upon installation, data from these instruments shall be made available to
17 the public via the publicly accessible webpage detailed in Condition No.
18 34. The display shall additionally reference and display the acute 1-hour
19 Reference Exposure Levels (RELs) for any compounds with established
20 acute exposure limits by California Office of Environmental Health
21 Hazard Assessment (OEHHA).

22 b. Until installation of the additional instrumentation is complete,
23 Respondent shall increase the number of 24-hour time integrated canister
24 sampling and analysis taken and analyzed for VOCs at MS-06 through
25 MS-12 to three times per week.

26 c. By the time of the status hearing contemplated in Condition No. 93, or
27 unless otherwise approved in writing by South Coast AQMD, the
28 MicroGCs installed pursuant to Condition No. 36 shall also be capable of

1 measuring hourly concentrations of acrolein. The South Coast AQMD has
2 requested EPA concurrence on the addition of acrolein; if EPA does not
3 concur, the parties will address this provision at the status hearing
4 contemplated in Condition No. 93.

5 d. Respondent shall promptly (by March 31, 2026, unless otherwise
6 approved in writing by South Coast AQMD) procure an additional
7 microGC instrument package and two additional sensor modules to be
8 used as spares. The instrument should be maintained in operational
9 condition and be available for immediate deployment once determined that
10 a monitoring network instrument has failed.

11 37. Respondent shall, by March 5, 2024, take at least ten liquid samples from wells with pumps
12 located in the Reaction Area, including wells with the highest average temperatures to the
13 extent feasible. Respondent shall submit the liquid samples to a laboratory for analysis.
14 Sampling and analysis shall be performed per U.S. EPA Method 624.1. Respondent shall,
15 within 1 week of receipt from the contract laboratory, submit the results to South Coast
16 AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel,
17 Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
18 Inspector, (cojeda@aqmd.gov)). With the results, Respondent shall also submit laboratory
19 analysis from samples taken on October 20, 2023 from leachate seeps on the western slope
20 of the Reaction Area.

21 38. Respondent shall take at least one representative monthly sample of liquids from the
22 Reaction Area of the Landfill and at least one representative monthly sample of leachate
23 from the bottom tanks where liquids/leachate from the entire Landfill collect and analyze
24 them per U.S. EPA Method 624.1 for the presence of volatile organic compounds (VOCs)
25 and toxic air contaminants (TACs). In the event that Respondent demonstrates, to the
26 satisfaction of South Coast AQMD, that generated liquid/leachate is sufficiently collected
27 with no remaining seepage or potential for discharges of pressurized leachate, then the
28 leachate sampling and analysis shall be reduced to a quarterly schedule. If further leachate

1 seepage or discharges of pressurized leachate are found to occur, resulting in the exposure
2 of the liquid/leachate to atmosphere, then the sampling and analysis shall return to a
3 monthly schedule. Respondent shall, within 1 week of receipt from the contract laboratory,
4 post the analytical results on Respondent's website, and provide to South Coast AQMD
5 along with a detailed description and depiction of the sampling locations (Baitong Chen,
6 Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
(ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

8
9 **Community Outreach**

10 39. Respondent shall continue to maintain and update regularly (on a weekly basis) a dedicated
11 page of its website with a highly visible link on its homepage (the "odor mitigation section")
12 for presenting information discussing odor mitigation at CCL. Such webpage shall include
13 all information in English and Spanish. Subsequent reports posted on the webpage shall be
14 sent to a translation service within 2 business days of posting on the webpage, and shall be
15 translated and uploaded to the webpage within 2 business days of receipt from translation
16 service. Such webpage shall also meet the following requirements:

- 17 a. The odor mitigation webpage shall be accessible via a direct hyperlink included on
18 the homepage of CCL's website (<https://chiquitacanyon.com>), via a clickable link
19 with text stating "Odor Mitigation;"
- 20 b. The odor mitigation webpage shall display prominently at the top of the page a
21 notification that complaints of any odors believed to be caused by CCL can be made
22 to CCL (24-Hour Hotline) at (661) 253-5155;
- 23 c. The odor mitigation webpage shall display prominently at the top of the page a
24 notification that complaints may also be submitted to the South Coast Air Quality
25 Management District via telephone at 1 (800) CUT-SMOG or 1 (800) 288-7664 or
26 online on South Coast AQMD's website (which shall hyperlink to the following:
27 <http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx>);

- 1 d. The odor mitigation webpage shall include a “Recent Updates” section which shall
2 provide a narrative description of Respondent’s understanding of the reaction and
3 DMS;
- 4 e. The odor mitigation webpage shall include an “Odor Mitigation Efforts” section
5 which shall describe the efforts Respondent is taking to mitigate potential odors;
- 6 f. The odor mitigation webpage shall include an “Odor and Maintenance Logs”
7 section which shall include via hyperlink any logs created pursuant to this Order,
8 preceded by a brief narrative description;
- 9 g. The odor mitigation webpage shall include a “Reports, Permits, and Other
10 Documents” section which shall include via hyperlink, preceded by a brief narrative
11 description:
- 12 i. This Order;
- 13 ii. Safety Data Sheets for odor neutralizer used at the facility and compounds
14 used in the Semi-Permanent Vapor Odor Control system referenced in
15 Condition No. 45;
- 16 iii. A copy of Respondent’s current Conditional Use Permit (No. 2004-00052-
17 (5));
- 18 iv. Any reports relating to odor or odor mitigation required by Respondent’s
19 Conditional Use Permit (No. 2004-00052-(5)) to be submitted to any
20 government agency, including any responses or discussion of remedial actions
21 to odor violations or complaints required by any government agency; and
- 22 v. All reports created by the Reaction Committee pursuant to this Order.
- 23 vi. Any other reports or correspondence requested by the County of Los Angeles
24 agencies related to the reaction, odor, and Respondent’s mitigation efforts.
- 25 h. The odor mitigation webpage shall include an “Air Quality” Section which shall
26 include a brief narrative describing the current status of air quality monitoring
27 required under Condition 68 of Respondent’s Conditional Use Permit (No. 2004-
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1 00052-(5)). The “Air Quality” Section shall also include, via hyperlink, preceded
2 by a brief narrative description:

3 i. Any consultant reports submitted to the Community Advisory Committee
4 (“CAC”), TAC, or any government agency under Condition 68 of
5 Respondent’s Conditional Use Permit (No. 2004-00052-(5)).

6 ii. Any quarterly or annual reports submitted to the Los Angeles County
7 Department of Public Health or South Coast AQMD under Condition 68 of
8 Respondent’s Conditional Use Permit (No. 2004-00052-(5)).

9 i. The odor mitigation webpage shall include an “Upcoming Public Meetings”
10 Section, which shall display the title/subject, date, time, location and/or virtual
11 access information (including videoconference link or teleconference number as
12 applicable), and a note of whether public comment will be received for the following
13 meetings:

14 i. Any noticed hearing of the South Coast AQMD Hearing Board in Case No.
15 6177-4;

16 ii. Any meeting of the CAC where odor mitigation and/or violations are included
17 as an agenda item or anticipated to be discussed;

18 iii. Any meeting of the TAC where odor mitigation and/or violations are included
19 as an agenda item or anticipated to be discussed; and

20 iv. Any other meeting open to the public at which CCL is a scheduled host and/or
21 participant where odor mitigation and/or violation are included as an agenda
22 item or anticipated to be discussed.

23 40. Respondent shall host a public one-hour community meeting once each calendar month
24 following a month in which Respondent receives three or more Rule 402 NOV’s from the
25 South Coast AQMD. If Respondent does not receive three or more Rule 402 NOV’s from
26 the South Coast AQMD in a calendar month, Respondent does not need to host a
27 community meeting during the following month. During each meeting, Respondent shall
28 provide updates with regards to implementation of this Order and make time available for

1 public comment on matters related to CCL. The meeting date and time and format (in-
2 person or virtual) shall be announced via Respondent's website and shall also be sent via
3 email to everyone who has signed up for email notifications on Respondent's website. The
4 announcement shall include a link and dial-in information to the virtual platform used to
5 conduct the meeting, or if the meeting is in-person, the location of the meeting. All meetings
6 held in person shall adhere to all applicable public health guidelines and shall take place
7 within the Val Verde community. Any presentation, meeting materials, or other media
8 created or shared by Respondent at such community meeting shall be posted to
9 Respondent's Odor Mitigation webpage via hyperlink, including a brief narrative
10 description of the materials.

11 **Rule 1150 Landfill Excavation**

- 12 41. Respondent shall submit, by January 30, 2024, a complete plan application for a Rule 1150
13 Landfill Excavation Plan. The submittal shall be accompanied with a complete Title V
14 Revision application and shall be submitted with an expedited processing request and
15 associated required fees, forms, and information. A generic Rule 1150 plan application and
16 Title V Revision application shall include the following:
- 17 a. A signed and completed Form 400-A.
 - 18 b. A signed and completed Form 400-CEQA.
 - 19 c. Reason for excavation.
 - 20 d. A site summary indicating the site history.
 - 21 e. A list of materials buried or suspected materials buried in the site based on available
22 records.
 - 23 f. Results of any boring tests done to characterize the disposal site.
 - 24 g. Results of recent landfill gas analysis or soil vapor phase analysis including the
25 concentrations of methane, sulfur compounds, and speciated non-methane
26 hydrocarbons.
 - 27 h. A plot plan indicating the location of the excavation, staging areas, vehicle route(s),
28 vehicle cleaning area, and any nearby buildings, roadways, or other site identifying

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features, and including any schools, residential area or other sensitive receptors such as hospitals or locations where children or elderly people live or work up to 2,500 feet away.

- i. Operating schedule for excavation and removal (hours/day, days/week, weeks/year, or equivalent).
- j. Scheduled excavation starting and completion dates, and number of working days required for the excavation.
- k. Description of how the excavation will be conducted, including excavation equipment and vehicles hauling the excavated material.
- l. Description of mitigation measures for dust, odors, and hydrocarbons.
- m. Description of monitoring to be conducted, including monitoring equipment and techniques.
- n. Total amount of material to be excavated in cubic yards under this project.
- o. Description of disposal of the material (re-burial on-site or sent off site for disposal, if off-site provide name of landfill where material will be disposed).
- p. Maximum surface area of excavation workface.
- q. Maximum surface area of refuse or contaminated material to be exposed to atmosphere at any one time.
- r. Fees in the amount \$1,090.43 (for Title V facilities, fee schedule FY 23-24).
- s. A Title V Permit Revision application shall be submitted with associated application fees in the amount of \$1,820.84 (fee schedule FY 23-24) and required forms (Form 400-A, Form 500-A2, Form 500-C1).
- t. A signed Form 400-XPP and additional 50% more fees from the plan fees listed above (\$545.22).

42. Respondent shall comply with the following requirements in the interim period, starting upon issuance of this Order and until the final approval of the Rule 1150 landfill excavation plan under the application specified in Condition No. 41 above, for all excavation, as

1 defined in Rule 1150(a)(5), unless excavation is occurring pursuant to one or more
2 exemption as listed in South Coast AQMD Rule 1150(c):

3 a. The South Coast AQMD shall be notified at least two (2) days prior to each
4 excavation commencement and within five (5) days after its completion. The
5 notification shall be made by email [Christina Ojeda, Air Quality Inspector,
6 (cojeda@aqmd.gov); Gerardo Vergara, Air Quality Inspector,
7 (gvergara@aqmd.gov); and Rule1150notifications@aqmd.gov]. The subject line of
8 the email shall contain "Rule 1150 Notification." The body of the email shall
9 contain the following information:

- 10 i. Company Name and Company ID
- 11 ii. Site Address
- 12 iii. Notification Type (2 days prior or 5 days after)
- 13 iv. Estimated Excavation Start Date and Completion Date
- 14 v. A Map of the Facility with Excavation Location Indicated

15 b. Excavation shall not be conducted between the hours of 6:00 p.m. and 6:00 a.m. or
16 on weekends and legal holidays unless excavation is occurring to comply with
17 Condition 24, or otherwise approved in writing by the South Coast AQMD.

18 c. Excavation shall not be conducted on days when South Coast AQMD forecasts
19 first, second, or third stage episodes for area number 13 or when South Coast
20 AQMD requires companies in area number 13 to implement their first, second or
21 third stage episode plans. Episode forecasts for the following day can be obtained
22 by calling (800) 288-7664.

23 d. During excavation, continuous monitoring and recording of the wind speed and
24 directions shall be conducted at an appropriate site or, through the meteorological
25 station if present at the site.

26 e. Excavation shall not be conducted, except in the Reaction Area, when the wind
27 speed is greater than 15 mph (averaged over 15 minutes) or the wind speed
28 instantaneously exceeds 25 mph. If Respondent receives either any NOV for

1 violation of Section 41700 / Rule 402 or any complaints for dust, Respondent shall
2 stop excavation in the Reaction Area during such wind conditions.

3 f. During excavation, all working excavation areas, excavated material and unpaved
4 roadways shall be watered down until the surface is moist and then maintained in a
5 moist condition to minimize dust and emissions without creating a safety hazard
6 condition.

7 g. VOC contaminated soil (as defined by Rule 1166) shall not be spread onsite or
8 offsite, nor stockpiled, if it results in uncontrolled evaporation of VOC to the
9 atmosphere. VOC contaminated soil shall not be used for landfill cover.

10 h. During excavation, monitoring for Total Organic Compounds as methane using an
11 Organic Vapor Analyzer (OVA) or other monitor approved by the South Coast
12 AQMD shall be conducted continuously at the working face of the excavation and
13 at the downwind property line or other approved locations. The maximum sustained
14 readings (greater than 15 seconds) shall be recorded every 15 minutes. The OVA
15 or other approved monitor shall be calibrated each day in accordance with
16 manufacturers' specifications.

17 i. If the OVA or other approved organic monitor shows a sustained reading (greater
18 than 15 seconds) of 2,000 ppmv Total Organic Compounds as methane or greater
19 at the working face of the excavation, the excavation shall cease and the area
20 generating the emissions shall immediately be completely covered with a minimum
21 of 6 inches of clean dirt, plastic sheet, or other South Coast AQMD approved cover.
22 Excavation shall not resume until the readings return to the pre-excavation level.

23 j. If the OVA or other approved organic monitor shows a sustained reading (greater
24 than 15 seconds) of 200 ppmv Total Organic Compounds as methane or greater
25 downwind from the site at the property line (or other approved locations), the
26 excavation shall cease and the area generating the emissions shall immediately be
27 completely covered with a minimum of 6 inches of clean dirt, plastic sheet, or other
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1 South Coast AQMD approved cover. Excavation shall not resume until the readings
2 return to the pre-excavation level.

3 k. Excavated landfill material and refuse shall be immediately, not to exceed 1 hour,
4 relocated for burial onsite, immediately deposited into trucks/trailers for off-site
5 transport and completely covered with automated vinyl tarps, with such covers tied
6 down, except for during active loading/unloading of refuse.

7 l. When refuse loading is completed and during transport, no material shall extend
8 above the sides or rear of the truck or trailer which will haul the excavated material.
9 Excavated material shall be completely covered with automated vinyl tarps, with
10 the cover tied down.

11 m. Respondent shall ensure that there is no track-out from the excavation area.
12 Respondent shall ensure that all trucks used for excavation in Reaction Area go
13 through a rumble strip before exiting the excavation area, and Respondent shall
14 ensure that all trucks shall, following the conclusion of excavation, but not less than
15 once per day, be free of excavation materials. The rumble strip(s) shall be
16 adequately sized consistent with South Coast AQMD Rule 403 and maintained as
17 to prevent saturation/caking of soils that would cause the unit to become ineffective
18 in removing soil from tires.

19 n. Landfill materials and refuse which have been exposed to the atmosphere as a result
20 of the excavation, which have not been excavated and relocated for burial or
21 transported off site, shall be immediately, not to exceed 30 minutes, safety
22 permitting or unless otherwise approved in writing by South Coast AQMD, covered
23 (with a minimum of 6 inches of clean soil, secured plastic sheeting that is at least
24 10 mil, or other South Coast AQMD approved cover) whenever excavation is not
25 actively in progress, and at the end of each working day so that no portion of landfill
26 material and refuse is exposed to the atmosphere. Foam by itself shall not be used
27 as a night cover if it is raining or rain is predicted by the National Weather Service
28 prior to the next scheduled day of excavation. For the west slope excavation project,

1 Respondent shall follow the timing and cover procedures set forth in the west slope
2 excavation project work plan. If Respondent follows the work plan, it is otherwise
3 exempt from this Condition 42(n).

4 o. Daily inspections shall be conducted of any covered excavation area (per
5 Conditions 42(i), 42(j), and 42(n) above) to ensure the integrity of the cover(s) is
6 maintained and secured so that no portion of the soil is exposed to atmosphere. If
7 the cover material is not completely covering the landfill materials and refuse
8 generating emissions, or if the integrity of the cover has been compromised,
9 immediate corrective action shall be taken to add and secure a new cover, or
10 additional cover, on the area requiring corrective action. An inspection log shall be
11 maintained to record the time of the inspections and any corrective action
12 performed.

13 p. All materials that are listed as hazardous by a federal or state agency shall be
14 considered "hazardous materials" for the purpose of this Order.

15 i. All excavated hazardous material shall be transported in such a
16 manner as to prevent any emissions of hazardous materials.

17 ii. All hazardous materials shall be transported in containers clearly
18 marked as to the type of material contained and what procedures
19 should be followed in case of accidental spills.

20 iii. Excavated liquid hazardous materials with the potential to cause air
21 emissions shall be encapsulated or enclosed in containers with sealed
22 lids before loading into the transport vehicles.

23 q. Excavation, handling and stockpiling activities shall comply with the applicable
24 requirements of Rule 403.

25 r. All records required to demonstrate compliance with Condition No. 42 shall be kept
26 and maintained for at least 5 years.

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- 1 s. Landfill excavation mitigation measures, other than those listed in this Condition
2 No. 42, which South Coast AQMD personnel determine are necessary to protect the
3 health and safety of the public, shall be implemented upon request.
- 4 t. During excavation, odor neutralizer and/or odor suppressant (e.g. clay binder
5 polymer spray-applied crusting cover material), shall be applied to the excavation
6 working face and excavated materials to minimize emissions and odor without
7 creating a safety hazard condition. Odor neutralizer applying equipment may
8 include but not be limited to, fans and arm tower misters.
- 9 u. During excavation in the Reaction Area as defined in Condition 9(a), Respondent
10 shall employ fresh, new (unused) bed liners in trucks for each load during loading
11 and transport. Respondent shall change out the existing bed liners in the trucks with
12 fresh, new bed liners for each subsequent load in each truck.
- 13 v. Respondent shall post a notice on the front page of its website
14 (chiquitacanyon.com), and notify in writing all addresses located within 5,280 feet
15 (1 mile) of the excavation area, at least 48 hours in advance of planned excavation
16 commencement with a short description of the proposed excavation work, the
17 estimated times of day excavation is proposed to occur, the estimated excavation
18 start date, and estimated excavation end date. For unplanned excavation, or
19 excavation where there is insufficient time to provide written notice at least 48 hours
20 in advance of commencement, and where such excavation is expected to last more
21 than one day, Respondent shall post a notice on the front page of its website as soon
22 as possible upon learning such excavation is necessary, not to exceed 2 business
23 hours. A copy of this notification shall be submitted to South Coast AQMD
24 [Attention: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
25 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov].
- 26 w. If a South Coast AQMD Rule 402 Nuisance Notice of Violation is received by the
27 Respondent during excavation, or a distinct odor (level 3 or greater per below Odor
28 Scale) resulting from the excavation is detected at or beyond the property line, then

1 the Respondent shall, in accordance with its Health and Safety Plan, conduct
2 ambient air quality sampling within 2 hours of receipt of Rule 402 Nuisance Notice
3 of Violation or of when a distinct odor (level 3 or greater) is detected at or beyond
4 the property line and analyze for TOC and speciated TOCs as follows:

5 Odor Scale Description of Odor Intensity

- 6 0 No odor detected
7 1 Very light odor detected
8 2 Light odor detected, distinguishable
9 3 Moderate odor, very distinguishable
10 4 Strong odor, very distinguishable, irritable
11 5 Very strong odor, very distinguishable, overpowering

12 i. Samples shall be collected at the following locations: immediately
13 upwind of the excavation site, immediately downwind of the
14 excavation site, within 3 inches of the exposed excavation
15 workface, safety permitting, and at the downwind property line, or
16 other location(s) approved in writing by South Coast AQMD. If
17 deemed unsafe, Respondent shall document the date and
18 conditions preventing compliance with this condition. Records of
19 such conditions shall be submitted in the following monthly report
20 pursuant to Condition 8.

21 ii. Sampling shall conform to CARB Method 422 or equivalent.
22 Samples with high moisture shall be collected using an appropriate
23 method such as South Coast AQMD Method 25.1/25.3 or other
24 methods approved in writing by South Coast AQMD.

25 iii. Samples shall be analyzed by EPA Method TO-3, and EPA
26 Method TO-15/TO-15A or other method approved in writing by
27 South Coast AQMD.
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iv. All collected samples shall be sent to an appropriate laboratory for analysis, within 24 hours of the sample collection, with expedited analysis requested. All lab results shall be reported to South Coast AQMD [Attention: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov; Steve Dutz, sdutz@aqmd.gov] within 48 hours of receipt from the laboratory.

x. During excavation, TOC and speciated TOC ambient air sampling shall be conducted at least once between the hours of 6:00am and 11:00am, and at least once between the hours of 2:00pm and 6:00pm, according to Respondent's Health and Safety Plan and the following requirements:

i. Samples shall be collected at the following locations: immediately upwind of the excavation site, immediately downwind of the excavation site, within 3 inches of the exposed excavation workface, safety permitting, and at the downwind property line, or other location(s) approved in writing by South Coast AQMD. If deemed unsafe, Respondent shall document the date and conditions preventing compliance with this condition. Records of such conditions shall be submitted in the following monthly report pursuant to Condition 8.

ii. Sampling shall conform to CARB Method 422 or equivalent. Samples with high moisture shall be collected using an appropriate method such as South Coast AQMD Method 25.1/25.3 or other methods approved in writing by South Coast AQMD.

iii. Samples shall be analyzed by EPA Method TO-3, and EPA Method TO-15/TO-15A or other method approved in writing by South Coast AQMD.

1 iv. All collected samples shall be sent to an appropriate laboratory for
2 analysis, within 24 hours of the sample collection, with expedited
3 analysis requested. All lab results shall be reported to South Coast
4 AQMD [Attention: Baitong Chen, bchen@aqmd.gov; Nathaniel
5 Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov;
6 Steve Dutz, stdutz@aqmd.gov] within 48 hours of receipt from the
7 laboratory.

8 y. The excavation workface, which exposes refuse or other emission
9 generating material to the atmosphere, shall not exceed 1,000 square feet
10 (unless excavation is occurring pursuant to the west slope excavation
11 project work plan, in which case the working face shall be limited to 3,000
12 square feet), without prior written approval from the South Coast AQMD
13 or except where immediate, unplanned excavation is necessary to prevent
14 or remediate imminent impacts to public health and safety. Estimation of
15 the excavation workface size (square feet) shall be performed every hour
16 during excavation. The daily excavation start date and time, hourly
17 excavation workface size, and time of hourly excavation workface size
18 estimations shall be recorded, and shall be provided to South Coast
19 AQMD personnel within 48 hours of request.

20 z. If a South Coast AQMD Rule 402 Nuisance Notice of Violation is
21 received by Respondent during excavation, the approved mitigation
22 measures shall be implemented immediately. Approved mitigation
23 measures:

24 i. Excavation shall be limited to one location at a time.

25 ii. Unless excavation is occurring pursuant to the west slope
26 excavation project work plan, Respondent shall limit the
27 excavation workface, reducing the area by at least 50%, through
28 use of plastic sheeting that is free of tears and defects, 6 inches of

1 clean dirt cover, and/or long duration foam or other suppressant
2 approved in writing by South Coast AQMD. After two hours,
3 Respondent may return to the original size of the excavation
4 workface unless there are Unfavorable Wind Conditions, as
5 defined in the Stipulated Order for Abatement in Case No. 6177-
6 1.

7 iii. Minimizing soil disturbance/transfer.

8 iv. Limiting working hours, reducing the excavation working hours to
9 6 total hours for the day (or the number of working hours at the
10 time of receipt of the NOV, if greater than 6 hours).

11 v. Water and/or odor neutralizing products containing no VOC.

12 vi. Cleaning and covering of haul trucks.

13 vii. Good housekeeping.

14 aa. During excavation, if any ambient air monitoring stations at the fenceline
15 or in the surrounding community (MS-01 through MS-12) reach or exceed
16 applicable OEHHA acute REL concentrations (e.g. benzene acute REL is
17 8 ppb 1-hr average, H2S acute REL is 30 ppb 1-hour average), excavation
18 shall cease and approved mitigation measures per Condition No. 42(z)
19 above shall be implemented. Excavation shall not resume until
20 concentrations return and remain below the REL threshold(s) for the
21 duration of at least one averaging cycle for the respective acute RELs. The
22 approved mitigation measures shall be implemented when 25% or more of
23 the ambient monitoring stations are down for more than one averaging
24 cycle for the respective acute RELs at the same time or when there are no
25 operational realtime monitors downwind of the excavation workface,
26 which includes but is not limited to calibration, maintenance, breakdown
27 and repair.
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1 bb. During excavation, other emission generating activities such as well
2 drilling in the reaction area, etc. shall be limited and prioritized outside of
3 excavation hours. If landfill gas collection and/or control equipment is
4 offline due to breakdown or maintenance, resulting in a reduction of gas
5 flow to control devices by 10% or more (compared to the gas flow prior
6 to the downtime of the first device), approved mitigation measures per
7 Condition 42(z) above shall be implemented until the landfill gas
8 collection and/or control equipment is returned to full operation.
9 Respondent shall keep and maintain a log of all non-operation (or
10 downtime) of landfill gas collection and control equipment, with dates,
11 times, duration, and reason for non-operation. This log shall be made
12 available to South Coast AQMD personnel within 24 hours of request.

13 **Other Conditions**

14 43. To ensure that fresh trash odors remain controlled, Respondent shall maintain the following
15 fresh trash-related odor mitigation measures recommended by its landfill operations expert
16 from the Stipulated Order for Abatement in Case No. 6177-1 during Unfavorable Wind
17 Conditions, as defined in the Stipulated Order for Abatement in Case No. 6177-1.
18 Respondent shall not expose more of the working face than is operationally necessary on
19 any working day and shall additionally maintain the following odor mitigation measures:

- 20 a. Use orchard fans, and tow-and-blow fans as needed, placed and spaced around the
21 working face in accordance with the recommendations of Chiquita's landfill
22 operations expert;
- 23 b. Use equipment equipped with odor neutralizer misting systems in various portions
24 of CCL to neutralize any fresh trash odors. This equipment shall include, but not be
25 limited to, fans and arm tower misters;
- 26 c. Identify and appropriately handle odorous loads at the scale and working face as
27 new waste loads enter CCL;
- 28 d. Haul odorous loads with proper sequencing and cover; and

- 1 e. Regularly train staff on all aspects of landfill operations, employee safety, and odor
2 control.
- 3 f. If Respondent detects trash-based odors at any stops during any odor surveillance
4 conducted pursuant to Condition No. 1(f) during Respondent's operating hours,
5 Respondent shall deploy additional permitted orchard-style fans to the working face
6 and surrounding area. If Respondent is not able to confirm the reduction of trash
7 based odors within 1 hour of deployment of additional fans, Respondent shall
8 reduce its working face by 25% of that day's total size for the remainder of the
9 operating day.
- 10 44. Respondent shall obtain, install, and maintain an on-site landfill meteorological station to
11 measure wind speed and direction by October 31, 2023. The meteorological station shall
12 be installed at a location appropriate for determining wind speed and direction on the top
13 deck of the landfill in the Reaction Area (as defined in Condition 9(a)) on a 1-hour average
14 basis, with measurements recorded every 5 minutes. The station shall record and preserve
15 all available readings for three years and the readings shall be made available to the South
16 Coast AQMD upon request.
- 17 45. Respondent shall install, maintain in good working order, and operate 1,000 feet or more
18 of Semi-Permanent Vapor Odor Control in the Reaction Area (as defined in Condition 9(a))
19 within 14 days of the approval of this Order. Respondent shall operate the Semi-Permanent
20 Vapor Odor Control system immediately and continuously.
- 21 46. Respondent shall operate and maintain in good working order a landfill perimeter odor
22 control misting system on permanent fencing on the west and northwest of the property.
- 23 47. The landfill perimeter odor control misting system shall be operated immediately and
24 continuously upon receiving data from the meteorological station, referenced in Condition
25 No. 44 above, that the 1-hour averaged wind direction is blowing in West, Northwest,
26 North, or Northeast directions (270 degrees to 45 degrees). The misting system shall
27 continue to operate until the 1-hour averaged wind direction data demonstrates the wind is
28 no longer blowing in the specified directions. The system shall be operated in such a

1 manner and with sufficient odor neutralizers to mitigate, to the extent possible, transient
2 odors from the landfill into surrounding communities, as determined by the Reaction
3 Committee.

4 48. Respondent shall notify the South Coast AQMD (attn: Kathryn Roberts,
5 kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov; Christina Ojeda,
6 cojeda@aqmd.gov) of any substantial operational changes designed to or anticipated to
7 reduce odors, such as an operational change not contemplated by this Order, within seven
8 days of implementing such changes.

9 49. Equipment and operations at the Facility are subject to the jurisdiction and regulatory
10 requirements of multiple agencies, including but not limited to the District, CalRecycle,
11 Los Angeles County Public Works, Los Angeles County Department of Regional Planning,
12 and Los Angeles County Department of Public Health. The conditions in this Order shall
13 not in any way restrict or expand the scope of jurisdiction of any agency. If any agency that
14 shares jurisdiction over the Facility with the South Coast AQMD requires Respondent to
15 take any action that is inconsistent with this Order, Respondent shall immediately contact
16 the South Coast AQMD by email at [Kathryn Roberts, kroberts@aqmd.gov and Mary
17 Reichert, mreichert@aqmd.gov] and describe the inconsistent provisions, including
18 providing any written directive from any other agency which Respondent considers
19 inconsistent with one or more conditions in this Order. Respondent shall endeavor to
20 resolve the inconsistency with the Executive Officer, while adhering to the Condition(s) in
21 the Order. If the inconsistency is not resolved within 3 working days of the relevant agency,
22 Respondent shall immediately inform the South Coast AQMD and shall petition for a
23 status/modification hearing before the Hearing Board for further proceedings. At such
24 proceeding, only the provision in dispute shall be resolved by the Hearing Board while the
25 other conditions in this Order shall remain in full force and effect.

26 a. If Respondent notifies South Coast AQMD per Condition No. 49 above
27 that the inconsistency with one or more Condition and an order of another
28 agency cannot be resolved, compliance with the applicable Condition(s)

1 of this Order shall be waived until further Order of the Hearing Board.
2 Notwithstanding the above, in no instance shall compliance with
3 Condition No. 49 or Condition No. 49(a) be waived.

4 50. Respondent shall follow the direction of EPA to implement the Master Work Plan
5 submitted to EPA under the Unilateral Administrative Order (UAO). Any monthly progress
6 reports submitted to EPA in accordance with the UAO shall also be submitted to the South
7 Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel,
8 Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
9 Inspector, (cojeda@aqmd.gov)).

10 51. Respondent shall permit South Coast AQMD personnel to conduct all inspections deemed
11 necessary by South Coast AQMD Compliance staff, including, but not limited to, collection
12 of samples. If during any inspection, South Coast AQMD observes uncontrolled liquid
13 which has at least one characteristic (including odor, appearance, etc.) that suggests the
14 liquid may be leachate, South Coast AQMD may require Respondent to collect a sample of
15 the liquid within 24 hours, submit the sample for expedited testing for VOCs, and submit
16 test results to the South Coast AQMD Compliance Inspector within 24 hours of receipt of
17 results, but no later than 96 hours after collection. Notwithstanding the preceding,
18 Respondent may require all visitors, including South Coast AQMD staff, to comply with
19 the site's Health and Safety Plan. Respondent shall not prohibit South Coast AQMD staff
20 from access to Respondent's facility, including the Reaction Area, if South Coast AQMD
21 staff comply with the Health and Safety Plan. Respondent shall provide South Coast
22 AQMD with any updates to the Health and Safety Plan within 1 business day of going into
23 effect.

24 a. To the extent Respondent's Health and Safety Plan requires 5-gas
25 monitors for regulatory staff to conduct an on-site inspection, Respondent
26 shall maintain onsite at least two 5-gas monitors (calibrated, sufficient
27 battery, and ready for use) for regulatory personnel to use. Respondent
28 may require any individual utilizing its 5-gas monitors to sign a waiver or

1 release of liability in the form agreed upon by the parties on April 19,
2 2024.

3 52. Respondent shall reserve 60 minutes biweekly to host a virtual meeting between South
4 Coast AQMD technical staff and Respondent / Respondent's technical consultants to
5 discuss key updates on Respondent's implementation of this Order and any changes to
6 Landfill conditions or operations. Any instance of the biweekly meeting may be cancelled
7 at South Coast AQMD's sole discretion.

8 53. Respondent shall, on a monthly basis, report on the: (1) number of tanks in each leachate
9 tank group; (2) total number of leachate tanks treated; (3) monthly and year-to-date total
10 quantity of liquid collected; (4) monthly and year-to-date total quantity of liquid treated; and
11 (5) estimated monthly and year-to-date total quantity of seeping, pooling, or ponding
12 leachate collected. By no later than April 3, 2024, Respondent shall submit South Coast
13 AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior
14 Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
15 (cojeda@aqmd.gov), the first report, and shall report this information in monthly reports
16 pursuant to Condition No. 8(q)(vi).

17 54. Respondent shall collect, convey, and store any condensate collected after the sulfur
18 treatment carbon absorbers separately from landfill leachate. No combining or mixing of
19 these liquid materials shall occur, to allow for accurate characterization and profiling of each
20 liquid.

21 55. Respondent shall immediately cease injection of landfill gas condensate into the landfill gas
22 control flares, unless the condensate injection is initially performed for the purposes of a
23 source test required under this condition. Any injection of condensate collected after the
24 sulfur treatment carbon absorbers to the flares may be allowed if each of the following
25 criteria are fulfilled:

- 26 a. The condensate has been sampled/analyzed and determined as non-
27 hazardous in accordance with hazardous material requirements by
28 respective agencies (U.S. EPA and DTSC), with sampling/analysis results

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- provided to South Coast AQMD along with specified regulatory hazardous waste thresholds;
- b. The condensate tank has not received any additional liquid after the sampling/analysis performed in Condition 55(a) and will not receive any additional liquids prior to or during injection/combustion;
 - c. Respondent has submitted a complete source test protocol which has been reviewed and approved by South Coast AQMD in writing, and which includes, at a minimum, procedures for testing of methane, total non-methane organic compounds, speciated organics (including but not limited to Rule 1150.1 Table 1 Carcinogenic and Toxic Air Contaminants), NOx as NO2, CO, particulate matter (PM10), oxygen and carbon dioxide, moisture content, temperature, flowrate, total sulfur compounds as H2S and speciated sulfur compounds, gas BTU value, nitrogen, methane and TNMOC destruction efficiency, and metals;
 - d. Respondent has submitted a source test report which has been reviewed and approved in writing by South Coast AQMD;
 - e. South Coast AQMD grants written approval to conduct condensate injection and has not withdrawn the approval based on follow-up source test evaluation(s);
 - f. Respondent conducts follow-up flare source testing, at a minimum of every 6 calendar months, which includes non-hazardous condensate injection, and following the requirements of sub-item (d) above; and
 - g. Respondent maintains records of condensate sampling/analysis results to demonstrate the liquid is non-hazardous, maintains records of daily condensate injection flows (gallons per day), and provides these records in the monthly report pursuant to Condition No. 8.

56. Respondent shall conduct sampling and analysis of vapors in the headspace of leachate tanks located in the Top Deck Tank Farm (Tank Farm #9). Sampling as required below shall be

1 completed no later than April 4, 2024. Samples shall be collected and analyzed from the
2 following equipment/locations:

- 3 a. the vapors in the headspace of at least one untreated leachate storage tank
4 (preferentially containing leachate that is determined to be hazardous or
5 assumed to be hazardous in accordance with hazardous material
6 requirements by respective regulatory agencies, e.g. U.S. EPA and/or
7 DTSC);
- 8 b. the vapors in the headspace of at least one leachate storage tank
9 undergoing treatment at;
- 10 c. the vapors in the headspace of at least one leachate storage tank where
11 treatment is complete.

12 Each of the sampled storage tanks shall be filled at least 2/3 full of leachate (approximately
13 14,000 gallons). Tanks to be sampled shall be preferentially selected to be those not
14 connected/vented to the landfill gas collection system and/or landfill gas control systems.
15 Vapor sampling and analysis of the headspace shall be conducted for total sulfur compounds
16 as H₂S and speciated sulfur compounds pursuant to South Coast AQMD Method 307-91,
17 and for speciated organic compounds pursuant to U.S. EPA Method TO-15. Sampling and
18 analysis shall be performed by a South Coast AQMD Laboratory Approval Program (LAP)
19 approved laboratory(ies), capable of sampling and analysis per South Coast AQMD Method
20 307-91 and U.S. EPA Method TO-15, respectively. A report detailing the sampling and
21 analysis parameters and complete laboratory analysis results shall be submitted to South
22 Coast AQMD by April 18, 2024 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
23 Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov); Christina Ojeda, Air
24 Quality Inspector, (cojeda@aqmd.gov)]. The report shall include, at a minimum,
25 identification of the leachate tank(s) sampled, sample location within each leachate tank,
26 vapor/liquid connections, ventilation (if applicable) and configuration of the tank(s) which
27 were sampled, temperature of the leachate at time of sampling, date/time of sampling,
28 treatment status of the tank(s), volume of leachate within the tank(s), and complete

- 1 laboratory sampling and analysis results.
- 2 57. Respondent shall submit, by April 22, 2024, a complete permit modification application to
3 the Landfill Gas Condensate and Leachate Collection/Storage System (under Permit
4 G66132, A/N 613131) to increase the landfill's liquid storage capacity, including tanks and
5 equipment which have not been described in the applications submitted pursuant to
6 Condition 19. The submittal shall be accompanied with a complete Title V Revision
7 application and shall be submitted with an expedited permit processing request and
8 associated required fees, forms, and information.
- 9 58. Respondent shall submit, by June 21, 2024, a complete permit application for the operation
10 of the thermal oxidizer (pursuant to Condition 29) to include the thermal oxidizer under
11 Respondent's Title V permit. The submittal shall be accompanied with a complete Title V
12 Revision application and shall be submitted with an expedited permit processing request and
13 associated required fees, forms, and information.
- 14 59. Respondent shall submit, by June 21, 2024, a complete permit application for the Landfill
15 Gas Condensate and Leachate Treatment System, which includes treating hazardous liquid
16 waste. The submittal shall be accompanied with a complete Title V Revision application and
17 shall be submitted with an expedited permit processing request and associated required fees,
18 forms, and information.
- 19 60. Respondent shall submit, by April 22, 2024, a complete permit modification application to
20 the Landfill Gas Collection System (under Permit G43917, A/N 578102) to include the tie-
21 in of the landfill gas condensate and leachate treatment system vapor vent lines to the
22 Landfill Gas Collection System. The submittal shall be accompanied with a complete Title
23 V Revision application and shall be submitted with an expedited permit processing request
24 and associated required fees, forms, and information.
- 25 61. Respondent shall submit, by May 21, 2024, a complete permit modification application to
26 the Landfill Gas Flare System (under Permit G73696, A/N 645450) to include the
27 combustion of vapor vented from the hazardous liquid tanks in the landfill gas condensate
28 and leachate collection/storage tank system and landfill gas condensate and leachate

- 1 treatment system. The submittal shall be accompanied with a complete Title V Revision
2 application and shall be submitted with an expedited permit processing request and
3 associated required fees, forms, and information.
- 4 62. Respondent shall submit, by May 21, 2024, a complete permit modification application to
5 the Landfill Gas Flare System (under A/N 624296) to include the combustion of vapor
6 vented from the hazardous liquid tanks in the landfill gas condensate and leachate
7 collection/storage tank system and landfill gas condensate and leachate treatment system.
8 The submittal shall be accompanied with a complete Title V Revision application and shall
9 be submitted with an expedited permit processing request and associated required fees,
10 forms, and information.
- 11 63. By December 16, 2025, Respondent shall provide South Coast AQMD with a schematic of
12 the current leachate treatment system and leachate storage system, including but not limited
13 to connections, flow lines, treatment vessels, tanks, and tank groups, vent lines to control
14 equipment, lines to and between leachate tanks, tanks which are connected and not
15 connected to vacuum vent lines, and the leachate tanker truck loading/unloading equipment.
- 16 64. Respondent shall follow the direction of the EPA to prepare a Leachate Management Plan
17 in accordance with the Unilateral Administrative Order (UAO). Respondent shall submit the
18 final plan submitted to EPA to South Coast AQMD on or before March 28, 2024. Any
19 updates to the final plan shall be submitted to South Coast AQMD within 24 hours of
20 submittal to EPA.
- 21 65. Respondent shall provide notice to South Coast AQMD (Baitong Chen, Air Quality
22 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
23 (ndickel@aqmd.gov); and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov) by
24 Friday of each week a summary of leachate dewatering pumps that have been installed and
25 resumed operation the prior week, and the number and location of dewatering pumps
26 anticipated to be installed and placed into operation in the following week , and the location
27 of all dewatering pumps installed and / or in operation.
- 28 66. Beginning September 2024, Respondent shall increase the frequency with which it monitors

1 for temperature and pressure at landfill gas collection wells within the Reaction Area to
2 twice monthly.

3 a. Respondent shall investigate a real-time, remote monitoring system which
4 shall, at minimum, monitor well pressure and landfill gas temperature at
5 the well head. The remote monitoring system may include monitoring of
6 fixed gases, oxygen, methane, and carbon dioxide, as well as wellfield
7 tuning/optimization and well liquid level monitoring. By April 19, 2024,
8 the Reaction Committee shall submit recommendations regarding
9 installation of the remote monitoring system. By no later than September
10 17, 2024, contracts to install and operate the monitoring system in
11 Condition No. 66(a)(v) shall be finalized.

12 i. Submit the finalized contract to install and operate the monitoring
13 that was due June 21, 2024 [per Order for Abatement Condition
14 No. 66 in effect April 24, 2024] to South Coast AQMD [Baitong
15 Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel
16 Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and
17 Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] by no
18 later than September 17, 2024.

19 ii. Submit all known information of design, implementation,
20 installation, and specification issues/concerns by no later than
21 September 17, 2024. This shall include documented
22 correspondence and correspondence reports (for live
23 correspondence prior to August 17, 2024) summarizing results of
24 all communication with system, device, and component
25 vendors/manufacturers and/or contractors identifying the
26 following, including, but not limited to:

27 1. the system, device, and component viability and
28 availability, and

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2. the system, device, and component design, implementation, installation, and specification issues, such as compatibility, physical constraints, specifications falling short of operational need, and supply chain timelines.

iii. Respondent shall contact at least three reputable vendors/manufacturers/distributors for each of the systems, devices, and components that have identified issues/concerns as described by Condition No. 66(a)(ii) requesting and facilitating in obtaining proposed solutions and recommendations for each of the identified issues/concerns. Documented correspondence of the results of this communication shall be submitted to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] by no later than, October 11, 2024.

iv. Respondent shall submit the findings and solutions to issues documented in Condition 66(a)(ii) and (iii), which shall include any additional communication from contacting various vendors, manufacturers, or distributors of systems, components, and devices by no later than October 30, 2024, or unless otherwise approved by South Coast AQMD, to [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)].

1. The findings and solutions shall also include an inventory of the vertical wells in the Initial Reaction Area that contain a Lorenz pump capable of measuring liquid levels and down-well temperatures, including the location of the

1 vertical wells and the depth of the down-well temperature
2 probes. The findings and solutions shall also include an
3 inventory and installation timeline of the temperature
4 monitoring probe network approved by the U.S.
5 Environmental Protection Agency under the Unilateral
6 Administrative Order.

7 v. A remote monitoring system shall be installed and in operation no
8 later than December 31, 2024, or other date as approved in writing
9 by South Coast AQMD. Temperature shall be measured in at least
10 twenty (20) wellheads operated in the Initial Reaction Area
11 (defined as the boundary of Cells 1/2A, 2B/3, 4, and Module
12 2B/3/4 P2 as specified in Condition No. 9(a)). By October 15,
13 2024, the Reaction Committee shall determine the location for
14 installation of the remote monitoring system equipment and shall
15 submit its determination to South Coast AQMD [Baitong Chen,
16 Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel,
17 Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina
18 Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)]. Should any of
19 the remote monitoring system equipment fail due to the ETLF
20 conditions at the Landfill, Respondent does not need to replace it.

21 vi. By January 31, 2025, the Reaction Committee shall submit a
22 proposal to assess the viability and functionality of a remote
23 monitoring system which measures temperature and pressure
24 within a well with a pump located within the Reaction Area,
25 including assessment of multiple depths within the well (e.g.
26 shallow, middle, and deep). The Proposal shall be submitted to
27 Baitong Chen [bchen@aqmd.gov]; Nathaniel Dickel
28 [ndickel@aqmd.gov]; Christina Ojeda [cojeda@aqmd.gov] for

1 review. Upon approval by South Coast AQMD, Respondent shall
2 conduct the feasibility assessment. The Reaction Committee shall
3 submit a final report to the South Coast AQMD (to Baitong Chen
4 [bchen@aqmd.gov]; Nathaniel Dickel [ndickel@aqmd.gov];
5 Christina Ojeda [cojeda@aqmd.gov]) detailing the results of the
6 feasibility study, and recommendations on further deployment of
7 the remote monitoring system not later than 150 days from the
8 approval of the feasibility proposal.

9 67. Respondent shall within 2 business days of the issuance of this Order designate an Inspection
10 Liaison responsible for coordinating the exchange of information between Respondent and
11 South Coast AQMD.

12 68. Respondent shall by June 15, 2024, install appropriately ranged differential pressure gauges,
13 with at least 0.01 inches water column resolution, or pressure gauge otherwise approved in
14 writing by South Coast AQMD, on each leachate storage tank. Respondent shall monitor
15 and record daily the differential pressure of each leachate tank, tank identification number,
16 date and time of the reading, and the personnel that conducted the reading. Pressure readings
17 that indicate the lowest value of the gauge or the highest value of the gauge, shall be reported
18 using significant digits to the hundredths place as “<= [lowest value on gauge] (e.g. <= -0.50
19 inches water column)” and “>= [highest value on gauge] (e.g. >= 0.50 inches water
20 column)”, respectively. The tanks shall be maintained under negative pressure, as
21 demonstrated by differential pressure readings. Zero and positive pressure readings do not
22 demonstrate negative pressure. Pressure gauges shall be calibrated according to
23 manufacturer specifications and schedule. Respondent shall report all the recordings in the
24 monthly report pursuant to Condition No. 8.

25 69. By July 19, 2024, Respondent shall conduct the first of ongoing quarterly inspection and
26 monitoring of HDPE, or other material, landfill gas conveyance piping, landfill gas
27 condensate and leachate conveyance piping, and any associated piping components such as
28 flanges, fittings, valves, connectors, pumps, or other equipment of the landfill gas collection

1 system and landfill gas condensate and leachate collection and storage system within the
2 enclosed piping networks. Monitoring Inspection shall include visual and/or physical
3 inspection of the specified equipment above, which is located aboveground, for buckling,
4 rupturing, cracking, melting, liquid leaks, or other structural concerns which may lead to the
5 release of fugitive landfill gas emissions, liquids, or odorous vapors. Monitoring shall
6 additionally include measurements of total organic compounds (TOC) as methane with a
7 flame ionization detector (FID), that conforms to Rule 1150.1 requirements, an organic
8 vapor analyzer for component leaks at each of the aboveground piping components within
9 the landfill gas collection system and landfill gas condensate and leachate collection and
10 storage system enclosed piping networks. A component will be considered to have a leak if
11 the concentration of methane measured one half an inch or less from a component source
12 exceeds 500 ppmv, other than non-repeatable, momentary readings. Records of this
13 monitoring activity shall include at a minimum:

- 14 a. A plot plan showing the piping networks monitored;
- 15 b. Date(s) when monitoring was performed;
- 16 c. Results of the visual/physical inspection and associated photos of any
17 piping or piping components which had any of the above-mentioned visual
18 and/or physical inspection concerns;
- 19 d. Results of piping component leak measurements;
- 20 e. Location(s) of component/equipment with visual and/or physical
21 inspection concerns and/or locations(s) where component leaks were
22 measured, which shall include the following:
 - 23 i. Location identified on a map;
 - 24 ii. Location identified by the landfill surface grid number and GPS
25 coordinates; and
- 26 f. Work which has been performed, or which is planned to be performed, and
27 associated date(s), to repair, replace, or conduct other actions to resolve
28 issues with the piping or components of concern.

1 Following four completed quarterly analyses, by July 31, 2025, the Reaction Committee
2 shall submit a recommendation to South Coast AQMD [attn: Baitong Chen,
3 bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda,
4 cojeda@aqmd.gov] as to modifying the frequency of such.

5 70. Respondent shall, by June 28, 2024, submit a report on the landfill's current landfill gas
6 generation and projected landfill gas generation for the next five calendar years, through the
7 end of calendar year 2029. The current and projected landfill gas generation shall be
8 estimated through use of U.S. EPA's Landfill Gas Emissions Model (LandGEM), and the
9 Reaction Committee's analysis for additional landfill gas generated as a result of the ongoing
10 reaction. The report shall include, at a minimum, the following items:

- 11 a. LandGEM inputs, assumptions, and results;
- 12 b. Reaction Committee analysis and associated rationale and supporting data
13 or information; and
- 14 c. A comparison of the estimated landfill gas generation, both current and
15 projected, with the landfill's flaring capacity, both current and proposed,
16 assuming one or more flares or thermal oxidizers are offline due to
17 maintenance, overhaul, or other unforeseen circumstances.

18 Based on the report findings, if the landfill gas generation is expected to exceed the landfill's
19 flaring capacity when one or more flares or thermal oxidizers are offline, Respondent shall
20 start the planning and procurement process for the addition of an additional flare, thermal
21 oxidizer, or other landfill gas combustion/control equipment and ensure sufficient redundant
22 control capacity (meaning at least one additional control unit, equivalent in landfill gas
23 combustion capacity to the largest control unit on site, and whose operational capacity is not
24 required to combust the quantity of gas estimated in the LandGEM) to handle all generated
25 landfill gas, assuming any one or more unit(s) is offline.

- 26 a. Respondent shall submit, by October 31, 2024, a complete permit application
27 for the new construction of a Landfill Gas Flare (Flare No. 5), and modifications
28 of Flare 1 & 2 (G73696, A/N 645450), Flare 3 (A/N 624296), and Flare 4 (A/N

1 647996) to the extent necessary, to increase the landfill gas control capacity.
2 The submittals shall be accompanied with a complete Title V Revision
3 application and shall be submitted with an expedited permit processing request
4 and associated required fees, forms, and information.

5 71. Respondent shall submit, by May 21, 2024, a complete permit application for the installation
6 and operation of any aboveground surface landfill gas collection system, or underground
7 landfill gas collection system, installed for the purpose of collecting landfill gas under the
8 geosynthetic cover installed per Condition 31 or the cover as required by the Local
9 Enforcement Agency. The submittal shall be accompanied with a complete Title V Revision
10 application and shall be submitted with an expedited permit processing request and
11 associated required fees, forms, and information.

12 72. Respondent shall conduct sampling and analysis, testing, installation, and monitoring of the
13 leachate and landfill gas condensate collection and storage tank system, as specified below:

14 a. At least quarterly, conduct testing to sample and analyze the vapor flow in the piping
15 used to vent the leachate storage tanks and landfill gas condensate tanks and route the
16 vapors to the landfill gas control system. The testing shall at least include the
17 following items and the results of this testing shall be provided in the monthly report
18 pursuant to Condition No. 8.:

- 19 i. vented leachate tank vapor flowrate,
- 20 ii. vented condensate tank vapor flowrate,
- 21 iii. vapor temperature,
- 22 iv. concentrations of speciated organics (including but not limited to Rule 1150.1
23 Table 1 Carcinogenic and Toxic Air Contaminants),
- 24 v. the total sulfur compounds as H₂S and speciated sulfur compounds, and
- 25 vi. testing at each of the locations indicated below:

- 26 1. The tank vents or manifolds which are representative of a set of tanks;
- 27 2. The header/manifold from each leachate tank farm or manifold
28 including Tank Farm #7, Tank Farm #9, North Perimeter Manifold,

1 New East Perimeter Manifold, LC Manifold, landfill gas condensate
2 storage tanks, and any other future tank farms or manifolds, with
3 testing performed upstream of the piping connection to the LFG
4 Collection and Conveyance System where landfill gas may affect
5 results; and

6 3. The inlet of the flare(s) prior to combustion.

- 7 b. A source test protocol for this testing shall be submitted to South Coast AQMD by
8 May 17, 2024, unless otherwise approved in writing by South Coast AQMD. Testing
9 shall be conducted within 45 days of receiving written approval of the source test
10 protocol by South Coast AQMD, and the final results in a source test report format
11 shall be submitted within 30 days of testing, unless otherwise approved in writing by
12 South Coast AQMD.
- 13 c. Within 30 days of the initial source test report, Respondent shall submit a
14 recommendation from the Reaction Committee on additional vapor flow testing to the
15 South Coast AQMD [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
16 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov]. The Reaction Committee
17 may submit further recommendations regarding additional vapor flow testing to the
18 South Coast AQMD within 30 days of additional source testing under this condition.
- 19 d. Beginning April 29, 2024, at least daily, conduct pressure testing and monitoring
20 within the HDPE header(s) venting the leachate storage tanks to quantify the vacuum
21 from the flare station blowers exerted on the leachate tanks, in inches of Water
22 Column (W.C.). Pressure testing and monitoring as specified in this condition is not
23 required upon complete installation of pressure gauges as specified in Condition 68.
- 24 i. Daily pressure readings, pressure testing location, indication of the tank farm
25 represented by the test results, and indication of each tank within the tank farm
26 represented by the test results shall be submitted in the monthly report per
27 Condition No. 8.
- 28 e. By June 28, 2024, unless otherwise approved in writing by South Coast AQMD,

1 install flow meters within the HDPE piping headers for associated leachate tank farms
2 to accurately measure and record the flow rate (scfm) and total daily volume of vented
3 leachate tank vapors being sent to the flare station for combustion. The flow meters
4 shall be installed according to manufacturer specifications and recommendations to
5 ensure accurate flow readings.

6 i. Daily flow rate (scf/day), flow meter location, indication of the tank farm
7 whose flow is being measured, and indication of each tank within the tank
8 farm vented and represented in the flow rate shall be submitted in the monthly
9 report per Condition No. 8.

10 73. Respondent shall prepare an inventory of all internal combustion engine equipment rated
11 greater than 50 HP onsite as of April 25, 2024 and shall submit this inventory to South Coast
12 AQMD by May 21, 2024. Respondent shall submit a permit application for internal
13 combustion engine equipment rated greater than 50 HP that is not already permitted through
14 South Coast AQMD by June 30, 2024, accompanied with a complete Title V Revision
15 application(s) and shall be submitted with an expedited permit processing request and
16 associated required fees, forms, and information. Going forward, Respondent shall submit a
17 permit application, accompanied with a complete Title V Revision application(s), for any
18 internal combustion engines greater than 50 HP brought on site that does not already have a
19 valid permit under Respondent's Title V Facility Permit or that does not already have a
20 complete application submitted to South Coast AQMD for the engine to be included in
21 Respondent's Title V Facility Permit.

22 74. Respondent shall expedite the procurement of the equipment needed to construct Flare No.
23 4 to the maximum extent feasible such that Flare No. 4 is ready to be constructed and put
24 into operation as soon as possible after Respondent receives all necessary permits or other
25 approvals. Respondent shall provide updates on the procurement of this equipment in the
26 monthly report pursuant to Condition 8(s).

27 75. Respondent shall expand the real-time, remote monitoring system installed in accordance
28 with Condition 66(a) and 66(a)(v) to include a minimum of 21 remote monitoring units

1 mounted on wellheads located around the outside perimeter of the data determined Reaction
2 boundary as specified in Condition 9(b), and a minimum of 5 remote monitoring units
3 mounted on landfill gas headers conveying gas from the Condition 9(b) Reaction boundary.

4 a. Respondent shall procure, install and begin operation of remote monitoring units by
5 October 31, 2025, unless otherwise approved in writing by South Coast AQMD.
6 Notice of completed installation and operational start shall be provided to South Coast
7 AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel,
8 Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
9 Inspector, (cojeda@aqmd.gov)] by November 3, 2025.

10 b. The wellhead units shall include 19 permanent units, to be located on a particular
11 wellhead for at least 12 months, and shall include 2 mobile units which may be
12 relocated on site as necessary.

13 c. The 19 permanent units shall be installed on wells located in the immediate vicinity
14 surrounding the Condition 9(b) Reaction boundary, including the following wells:
15 CV-1906, CV-24120, CV-24126, CV-2455, CV-2454, CV-2305, CV-2476, CV-
16 24148, CV-24149, CV-2314, CV-2474, CV-24151, CV-2472, CV-2488, CV-2482,
17 CV-2480, CV-2466, CV-2344, and CV-2350, or as recommended by Respondent and
18 its vendor/distributor. Any changes to the above-mentioned well selection shall be
19 provided to South Coast AQMD in writing and shall include rationale and justification
20 for installing the unit(s) on any alternative wells.

21 d. The 5 header units shall be installed on primary header lines conveying gas from the
22 Condition 9(b) Reaction boundary and surrounding areas. The header unit locations
23 shall be for strategic monitoring of the gas collection system to allow for maximum
24 gas extraction, and to allow for quick actions to be taken to resolve issues noticed
25 upstream or downstream of the units. Two header units shall be installed on the
26 following header lines: 24-inch header piping running near CV-1426, 12-inch header
27 piping running near CV-24098, unless otherwise approved in writing by South Coast
28 AQMD.

- 1 e. All units shall be capable of monitoring temperature, pressure, and vacuum. The units
2 installed on wells without dewatering pumps shall also be capable of monitoring
3 liquid levels.
- 4 f. By August 29, 2025, the Reaction Committee shall submit a proposal to assess the
5 viability and functionality of adding gas flow rate and composition as monitoring
6 parameters to at least five (5) units installed on the wells listed in this condition. The
7 Proposal shall be submitted to Baitong Chen [bchen@aqmd.gov]; Nathaniel Dickel
8 [ndickel@aqmd.gov]; Christina Ojeda [cojeda@aqmd.gov]. Respondent shall
9 conduct the feasibility assessment. The Reaction Committee shall submit a final
10 report to the South Coast AQMD (to Baitong Chen [bchen@aqmd.gov]; Nathaniel
11 Dickel [ndickel@aqmd.gov]; Christina Ojeda [cojeda@aqmd.gov]) detailing the
12 results of the feasibility study, and recommendations on further deployment of the
13 remote monitoring system not later than 210 days from submittal of the feasibility
14 proposal with a minimum of 3 months of data collection.
- 15 g. Data collected by the monitor units shall be immediately recorded and uploaded as to
16 be available to review in the vendor/distributor's provided graphical user interface.
17 The graphical user interface shall include historical data, and shall be continuously
18 updated with newly gathered data. Additionally, the graphical user interface shall
19 allow for simple filtering and review of wellhead pressure, system pressure, landfill
20 gas temperature, landfill gas flowrates, and landfill gas composition measurements
21 and trends for each monitor unit. South Coast AQMD shall be granted read and
22 download access to this graphical user interface, to review historical and real-time
23 data.
- 24 h. Records documenting actions performed to resolve issues, and dates and times for
25 discovering and resolving issues as a result of the RMS shall be kept and maintained
26 daily on site, and shall be provided to South Coast AQMD upon request.
- 27 i. Records documenting the inspection and maintenance activities performed on the
28 monitoring units required by this condition shall be kept and maintained on site, and

1 shall be provided to South Coast AQMD upon request.

2 j. Records documenting any periods of Condition 75 RMS equipment downtime,
3 monitor units involved, the date and times of the downtime, reason(s) for the
4 downtime, and steps taken to resolve the downtime shall be kept and maintained on
5 site, and shall be provided to South Coast AQMD upon request.

6 76. Respondent shall install sample ports on all equipment on site that requires sampling, to
7 prevent unnecessary fugitive emissions from sampling activities. By December 2, 2024,
8 Respondent shall install sampling ports on all subject equipment and collect samples from
9 the sampling ports thereafter, unless otherwise approved in writing by South Coast AQMD.
10 For new equipment brought on site that requires sampling, sample ports shall be installed
11 within 30 days of bringing the equipment on site, or within 15 days of starting operation of
12 the equipment, whichever is sooner, unless otherwise approved in writing by South Coast
13 AQMD.

14 77. Respondent shall conduct aerial surveillance over the entire landfill surface on a monthly
15 basis, and over the Reaction Area defined in Condition 9(a) on a weekly basis, employing a
16 drone equipped with sensors with a minimum detection level of 1 ppmv methane, and in
17 accordance with OTM-51. If an aerial surveillance reading reaches or exceeds 200 ppmv
18 methane, Respondent shall conduct follow-up ground-based surface emission monitoring
19 field inspections according to the procedures of OTM-51 and U.S. EPA Method 21, unless
20 Respondent is unable to monitor the subject locations due to inaccessibility or dangerous
21 conditions for a technician. The follow-up field inspection shall be performed within 2 hours
22 of becoming aware of aerial surveillance exceedances. If an exceedance of 500 ppmv
23 methane is found or confirmed during the follow-up inspection, Respondent shall implement
24 corrective actions within 2 calendar days, including but not limited to, geosynthetic cover
25 maintenance or repair, landfill cover maintenance or repair, wellfield vacuum adjustments,
26 and piping/gas component maintenance or repair. Respondent shall develop 1) a color-
27 coordinated geospatial interpolated methane map displaying the absolute value results of the
28 methane readings, 2) a color-coordinated geospatial interpolated methane map displaying

1 the change in methane readings as compared to the prior aerial surveillance, 3) a map
2 displaying geolocated coordinates with local methane peaks and ground-based follow-up
3 peak verification, and 4) a map displaying the drone flight path. The local methane peak map
4 (map #3) shall include a color legend to differentiate locations displaying methane readings
5 of 1) < 200 ppmv, 2) ≥ 200 and < 500 ppmv, 3) ≥ 500 and < 1,000 ppmv, 4) ≥1,000 and <
6 2,000 ppmv, 5) ≥2,000 and < 5,000 ppmv, and 6) ≥ 5000 ppmv, or as otherwise approved
7 in writing by South Coast AQMD. The interpolated maps displaying the absolute value (map
8 #1) and change in methane readings (map #2) shall include a color legend to differentiate
9 the magnitude of the reading, as determined by Respondent, or as otherwise requested by
10 South Coast AQMD. The maps, follow-up field inspection measurements and locations with
11 associated dates/times, causes of exceedances (500 ppmv methane or greater), any corrective
12 actions performed, and documentation (date, time, reasoning) of field inspections not
13 performed due to inaccessibility or dangerous conditions shall be provided in the subsequent
14 monthly report pursuant to Condition 8(c). Raw data used to create any of the above
15 documents shall be provided to South Coast AQMD within 5 working days of request.

- 16 78. Respondent, or Respondent's contractor, as applicable, shall install a liner of 60 mil
17 polyethylene sheeting (or other equivalent flexible membrane cover) overlaying two feet of
18 compacted soil lining the bottom and 5 feet off the sides of the perimeter of each leachate
19 tanks and/or tank farms, except for driving lanes required for trucks to access leachate tanks
20 for leachate disposal or other routine operations or maintenance, to limit spills affecting the
21 ground, water, and potential for re-entrained air emissions. The sheeting/membrane liner
22 shall be inspected at least twice-daily, at the beginning and end of day, and shall be
23 maintained free of tears, rips, etc. The inspection and maintenance records shall be recorded
24 daily and shall contain, but not be limited to: (1) the date and time; (2) tank area designation
25 inspected; (3) the name of the person performing the inspection and written
26 acknowledgement that they did, or did not, take corrective action to maintain or replace the
27 liner; (4) specific notation as to the liner maintenance performed, including but not limited
28 to: liner repair or replacement, cleanup of spills on the liner, including volume of spill, etc.

1 Installation shall be completed as part of new installation of any tank or tank farm onsite
2 installed on or after April 16, 2025. For existing tank farms, installation shall be completed
3 not later than September 30, 2025.

4 79. Respondent shall submit any permit applications, source test protocols, source test reports,
5 and any other submittal requiring South Coast AQMD review and approval, with an
6 expedited processing/review requested, along with any associated fees, forms, and
7 information required.

8 80. Whenever South Coast AQMD permitted Various Location equipment or CARB Statewide
9 Portable Equipment Registration (PERP) permitted equipment is brought or operated on site,
10 the Respondent shall:

11 a. Notify South Coast AQMD in writing of the date and time that the equipment is
12 brought to the facility in the corresponding monthly report per Condition No. 8 and
13 include a copy of the various locations permit(s) and/or PERP permit(s) in the
14 corresponding monthly report per Condition No. 8.

15 b. Maintain a daily log including the following information for each permit unit: permit
16 number and/or registration number, application number (if applicable), equipment
17 location, and start and end time of equipment operation (as applicable). Respondent
18 shall submit the daily log in the in the corresponding monthly report per Condition
19 No. 8.

20 c. Notify South Coast AQMD in writing of the date and time that the equipment is
21 removed from the facility in the corresponding monthly report per Condition No. 8.

22 81. Respondent shall provide notification, by posting an alert on the front page of its website
23 (<https://chiquitacanyon.com>) for the purposes of notifying to the surrounding affected
24 community, whenever any landfill gas collection and control equipment (i.e. gas collection
25 wells/trenches, headers, flares, thermal oxidizer(s), blowers, etc.) has planned or unplanned
26 downtime anticipated to last 30 minutes or more, or once any downtime has a duration of 30
27 minutes or longer, according to the following:

28 a. Downtime of 30 Minutes or Longer:

- 1 i. Respondent shall provide the notification required by this Condition 81 for
2 any individual control device that has downtime which is anticipated to last
3 30 minutes or more, or once any downtime for an individual control device
4 reaches 30 minutes of downtime.
- 5 ii. If the downtime of any combination of landfill gas collection equipment
6 results or is planned to result in a reduction of gas flow to control devices by
7 10% or more (compared to the gas flow prior to the downtime of the first
8 device), Respondent shall provide the notification required by this Condition
9 81 for any such control devices that have downtime which is anticipated to
10 last 30 minutes or more, or once any downtime for such devices reaches 30
11 minutes of downtime.
- 12 b. This notification shall be posted online at least 48 hours prior to a planned downtime
13 event, unless the event is planned less than 48 hours before the planned downtime. If
14 there is less than 48 hours before the planned downtime, Respondent shall provide the
15 notification as soon as possible, within 1-hour of finalizing plans for the downtime.
16 For unplanned downtime, notification shall occur within 1-hour of reasonable
17 discovery of any collection or control equipment issue resulting in unplanned
18 downtime. The notification shall inform the public of the control equipment
19 downtime, expected extent (in days/hours) of the downtime, and the possibility of
20 increased odors in the community during the indicated period.
- 21 c. Respondent shall, by November 18, 2024, develop a system allowing members of the
22 public to sign-up for notifications of such outages or downtime via email or text
23 message. Respondent shall develop the system such that any personally identifying
24 information (including but not limited to name, phone number or email address) shall
25 not be received nor retained directly by Respondent, any subsidiary or parent
26 company of Respondent, or any direct employee of Respondent. Respondent shall
27 deploy this system within three (3) business days of receiving notice to deploy from
28 South Coast AQMD.

1 82. Respondent shall provide notification to South Coast AQMD [attn: Baitong Chen,
2 bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda,
3 cojeda@aqmd.gov; Larry Israel, lisrael@aqmd.gov] whenever any landfill gas collection or
4 control equipment (i.e. gas collection wells/trenches, headers, flares, thermal oxidizer(s),
5 blowers, etc.) has scheduled and/or unplanned downtime. Downtime refers to cessation of
6 operation lasting 30 minutes or longer, according to the following:

7 a. Downtime of 30 Minutes or Longer:

8 i. Respondent shall provide the notification required by this Condition 82 for
9 any individual control device that has downtime which is anticipated to last
10 30 minutes or more, or once any downtime for an individual control device
11 reaches 30 minutes of downtime.

12 ii. If the downtime of any combination of landfill gas collection equipment
13 results or is planned to result in a reduction of gas flow to control devices by
14 10% or more (compared to the gas flow prior to the downtime of the first
15 device), Respondent shall provide the notification required by this Condition
16 82 for any such control devices that have downtime which is anticipated to
17 last 30 minutes or more, or once any downtime for such devices reaches 30
18 minutes of downtime.

19 b. This notification shall include an initial notification 24 hours prior to the planned
20 shutdown event, unless the event is planned less than 24 hours before the planned
21 downtime, Respondent shall provide the notification as soon as possible, within 1-
22 hour of finalizing plans for the downtime. For unplanned downtime, notification shall
23 occur within 1-hour of reasonable discovery of any control equipment issue resulting
24 in unplanned downtime. Respondent shall also provide a subsequent additional
25 notification and follow-up written report within 48 hours of startup and operation of
26 the equipment after the downtime event is corrected. The initial notification, and
27 subsequent notifications/follow-up report shall include the following items, unless
28 otherwise noted below:

- 1 i. Reason(s) for the downtime,
- 2 ii. Specification of whether the event was planned or unplanned event,
- 3 iii. Estimated (initial notification) and actual (subsequent notification/follow-up
- 4 report) start and end dates and times of the downtime event,
- 5 iv. Meteorological data (15-minute averaged), including wind direction(s) and
- 6 wind speed(s), starting from 48 hours prior to the downtime event, and
- 7 extending until 24 hours after associated equipment start-up and resumed
- 8 operation during the period of downtime (subsequent notification/follow-up
- 9 report only),
- 10 v. Facility-wide minute by minute landfill gas flow data, in Microsoft Excel
- 11 format, starting from 48 hours prior to the downtime event, and extending until
- 12 24 hours after associated equipment start-up and resumed operation
- 13 (subsequent notification/follow-up report only),
- 14 vi. A running log of all combustion equipment downtime events reported
- 15 pursuant to Condition 82, including the equipment name (e.g., Flares 1, 2, 3,
- 16 or Zeeco unit), planned or unplanned event, estimated (initial notification) and
- 17 actual (subsequent notification/follow-up report) start date and time of each
- 18 event, estimated (initial notification) and actual (subsequent
- 19 notification/follow-up report) end date and time of each event, estimated
- 20 (initial notification) and actual (subsequent notification/follow-up report)
- 21 duration of downtime in minutes, and reason(s) for downtime in an Excel
- 22 format. The information shall be clearly displayed for all downtime events and
- 23 combustion equipment in rows within one Excel sheet, allowing quick
- 24 determination of the downtime details for any equipment or combination of
- 25 equipment, including simultaneous downtime events.
- 26 c. The notifications specified in this condition are additional notifications and do not
- 27 replace Title V and/or breakdown notifications required by South Coast AQMD or
- 28 Federal Regulations, or by the Title V permit.

1 83. Respondent shall conduct a study and analysis of specific landfill operational events and
2 their potential emission impacts to the surrounding community, as determined from an
3 analysis of the air quality data recorded at monitoring stations MS-01 through MS-12. The
4 study shall consider various landfill operational events which may result in increased release
5 of emissions, including but not limited to, landfill excavations, downtime or decreased
6 operation of any landfill gas collection or control equipment resulting in a reduction of
7 landfill gas flow rate to an instantaneous value of a landfill-wide total of 11,000 scfm, or a
8 reduction of 10% or more of current operational flows, and leachate exposure to atmosphere
9 from spills/seeps/pressurized discharges. The 10% reduction in flow rate shall be determined
10 based on total landfill gas flow rate data trends by comparing the current total landfill gas
11 flow rate, averaged hourly, to the prior week's average landfill gas flow rate and the prior
12 day's average landfill gas flowrate. A 10% reduction in comparison to the weekly or daily
13 average value shall be analyzed as an operational event. The date, time, and duration of the
14 operational events shall be used, in conjunction with meteorological data and air monitoring
15 station data for all compounds monitored using continuous instrumentation, to the extent
16 such data is available, to determine the effects at downwind receptors. This study shall be
17 conducted for a period of 7 months, from June 1, 2024 through December 31, 2024, with a
18 report detailing the landfill operational events, meteorological data, air monitoring station
19 data, general findings of the study, and the landfill gas flow rate trend comparison used to
20 determine a 10% reduction. The report shall be submitted by March 31, 2025 to South Coast
21 AQMD [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov;
22 Christina Ojeda, cojeda@aqmd.gov]. The report shall also include a proposed scope for a
23 continuation of the study for up to an additional 6 months, subject to review and approval
24 by SCAQMD. The continuation of the study shall proceed upon written approval by the
25 South Coast AQMD.

26 a. Respondent shall conduct a continued study for a period of 10 months, from January
27 1, 2025 through October 31, 2025. The continued study shall exclude leachate vapors
28 from the landfill gas flow rate, and add to the list of events to be considered leachate

1 leaks and gas collection and leachate collection/storage system leak testing events.
2 Following the study, Respondent shall prepare a report detailing the landfill
3 operational events, meteorological data, air monitoring station data, general findings
4 of the study, and the landfill gas flow rate trend comparison used to determine a 10%
5 reduction. The analysis of potential air impacts shall consider at minimum the 15 most
6 significant events, in terms of emission potential and air impact potential, for each
7 individual operational event criteria, and shall detail and explain the selection of the
8 events as most significant. The analysis shall also compare and explain impacts at the
9 station or stations most likely to be impacted by the event, considering,
10 emission/event location, wind speed, wind direction, topographical impacts, and any
11 additional factors as needed. The report shall be submitted to South Coast AQMD
12 [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov;
13 Christina Ojeda, cojeda@aqmd.gov] by January 30, 2026.

14 84. Respondent shall evaluate the installation of windbreaks and/or wind flow disrupters along
15 the western and northern borders of the facility, and/or ridgeline, such that there are not any
16 distinguishable gaps in the border and/or ridgeline which may result in an odor channeling
17 affect into the Val Verde community, to enhance the dispersion of odors from the facility.
18 By no later than November 15, 2024, Respondent shall submit a report detailing the findings
19 of the evaluation to South Coast AQMD (attn: Baitong Chen, bchen@aqmd.gov; Nathaniel
20 Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov). The report detailing the
21 findings of the evaluation shall include the following:

- 22 a. The viability and advantages and disadvantages of the different windbreaks and/or
23 wind flow disruptors.
- 24 b. The estimated duration and timeline of the steps necessary to implement and install
25 each of the windbreaks and/or wind flow disruptors evaluated, including any
26 regulatory approvals and any associated environmental analysis and public
27 notification/outreach required, contractor procurement, contracts, bidding, contract
28 execution, equipment procurement, and equipment installation.

1 If installation of windbreaks and/or wind flow disruptors is deemed technically feasible and
2 viable, Respondent shall complete the installation of windbreaks and/or wind flow
3 disruptors. In the November 15, 2024 report, the Reaction Committee shall determine
4 technical feasibility and provide recommendations to the South Coast AQMD regarding
5 viability. Viability shall be determined by South Coast AQMD. If deemed technically
6 feasible and viable, installation shall take place within 180 days after receipt of written
7 approval by South Coast AQMD or 180 days after required regulatory approvals have been
8 procured, whichever is later.

9 85. Respondent shall comply with the following requirements in addition to the requirements
10 listed under Condition 42(a)-(bb) while conducting the west slope excavation project and
11 the toe drain termination project:

- 12 a. Landfill perimeter odor control misters shall be operated along the west slope
13 excavation area and toe drain termination project area while excavation is conducted
14 and while any waste, waste contaminated material, or odiferous material is exposed
15 to atmosphere.
- 16 b. By September 10, 2024 for the west slope excavation project, and by November 15,
17 2024 or upon commencement (whichever is later) of the toe drain termination project,
18 a Semi-Permanent Vapor Odor Control System shall be operated along the excavation
19 area while excavation is conducted and while any waste, waste contaminated material,
20 or odiferous material is exposed to atmosphere.
- 21 c. A weekly report shall be submitted to South Coast AQMD [Attention: Baitong Chen,
22 bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda,
23 cojeda@aqmd.gov] each Tuesday by 8am PST reporting on the preceding week. The
24 weekly report shall report the west slope excavation activities and excavation
25 activities, if any, related to the toe drain termination project commenced, completed,
26 and yet to be completed with estimated timeline and amount (in cubic yards) of
27 soil/refuse to be excavated for completion. The report shall also identify any change
28 in daily excavation schedules, obstacles or unexpected corrective actions that

1 transpired. The first report for the west slope excavation project shall be due on
2 September 3, 2024. The first report for the toe drain termination project shall be due
3 on November 19, 2024, and shall also identify:

- 4 i. mitigation measures implemented per Condition No. 42(z), (aa) and/or
5 excavation cessation per Condition No. 42(aa) (as applicable);
- 6 ii. the corresponding reason for mitigation measures implemented per Condition
7 42(z) and/or (aa) and/or excavation cessation (as applicable);
- 8 iii. for excavation cessation and mitigation measures implemented per Condition
9 42(z) and/or (aa):
 - 10 1. the corresponding start and end times of such cessation and mitigation
11 measures (as applicable);
 - 12 2. the associated compound and compound concentration that reached or
13 exceeded the applicable acute REL (as applicable);
 - 14 3. date and time of reaching or exceeding the applicable acute REL that
15 resulted in implementation of mitigation measures and/or excavation
16 cessation (as applicable), and
 - 17 4. air monitor(s) which were down and associated wind direction data (as
18 applicable).

19 86. Respondent shall comply with the following requirements until the final approval of
20 liquid/condensate/leachate treatment and/or storage permits, for all liquid treatment and
21 storage equipment operating on site, unless otherwise approved in writing by South Coast
22 AQMD.

- 23 a. The equipment shall be properly maintained and kept in good operating condition at
24 all times in accordance with manufacturer's recommendations and industry best
25 management practices.
- 26 b. The equipment shall be operated and maintained by personnel properly trained in its
27 operation. Training certifications and/or detailed qualifications for these personnel
28 shall be maintained on site, and provided to South Coast AQMD personnel upon

1 request.

- 2 c. The operation of the equipment shall not result in the release of any raw landfill gas,
3 or discharge of odorous liquid vapors into the atmosphere, except for when collecting
4 samples from leachate treatment equipment. By November 1, 2024, Respondent shall
5 install sampling ports on all leachate tanks for which leachate sampling would occur
6 and would otherwise result in leachate exposure to open air during sampling, and
7 thereafter shall collect samples from such sampling ports. By November 1, 2024,
8 Respondent shall also prepare and submit to South Coast AQMD (Baitong Chen
9 [bchen@aqmd.gov]; Nathaniel Dickel [ndickel@aqmd.gov]; Christina Ojeda
10 [cojeda@aqmd.gov]) a schematic of the leachate treatment equipment, showing
11 where the sampling ports are located.
- 12 d. The liquid treatment system, leachate tanks, sludge/solids handling equipment and
13 tanks, and any other equipment associated with the treatment or storage processes
14 shall be fully enclosed, under vacuum, and vented to appropriate control (i.e. flare
15 station). This does not include the liquid treatment granular activated carbon
16 adsorbers, or liquid filtration equipment which operate under positive pressure.
17 Storage tanks with vapor headspace shall not be excluded from the requirements of
18 Condition No. 86(d).
- 19 e. Respondent shall inspect any liquid treatment system equipment under positive
20 pressure for vapor leaks at least once every week, as follows:
- 21 i. Leak inspections of liquid treatment connection points or joints shall be
22 conducted by monitoring for volatile organic compound emissions using a
23 calibrated photoionization detector (PID) and observing potential leak site(s)
24 to determine if any leaks are observed (e.g. concentrations of 100 ppmv or
25 greater are detected directly at the connection point or joint), or other
26 alternative method approved by South Coast AQMD.
 - 27 ii. All leaks shall be repaired within one calendar day of detection, unless
28 otherwise approved in writing by South Coast AQMD.

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iii. Respondent shall keep records of all vapor leak inspections in a log, recording, at a minimum, the date and time of the leak inspection, the name of personnel conducting the leak inspection, the inspection method, observations during the leak inspection (visual, audible, tactile, odor, etc.), any leaks detected, and the date, time, and manner by which leaks were subsequently repaired. Records shall be kept and maintained for a minimum of five (5) years and shall be made available to South Coast AQMD personnel upon request.

f. Dedicated piping connected to the liquid treatment system, leachate tanks, solid handling tanks, and any other equipment associated with the treatment or storage process shall be used for the sole purpose of providing vacuum to the leachate treatment equipment.

g. Sample ports shall be installed at the locations of the five flow meters on the dedicated headers connected to the liquid treatment system, leachate tanks, solid handling tanks installed pursuant to Condition No. 72(e), and any other equipment associated with the treatment or storage process and shall be monitored at least daily. Monitoring data shall include, but not be limited to, CH4%, CO concentration (ppmv), CO2%, and O2%, flowrates, and pressures.

87. Respondent is prohibited from conducting planned landfill gas combustion/control equipment downtime for three (3) or more landfill gas combustion/control units (Flares, Zeeco unit) at any one time, unless approved in writing by South Coast AQMD or where Respondent is conducting work under any of the following scenarios that requires the gas flow to be cut off from the flares:

- a. Installing a new flare under an approved authority to construct;
- b. Installing or replacing the blowers to the landfill gas flares;
- c. Performing installation or maintenance activities;
- d. Performing installation or maintenance activities that require Respondent to remove the piping coming into the flare station; or
- e. Performing installation or maintenance activities on the flares or flare station that

1 require the use of a crane.

2 88. Respondent shall install equipment and implement operational procedures to prevent
3 unplanned landfill gas combustion/control equipment downtime (Flares, Zeeco unit) to the
4 maximum extent feasible. The operator shall operate in accordance with the following
5 requirements:

6 a. Respondent shall expedite and complete the connection of permanent grid power to
7 the flare station by December 31, 2024, unless otherwise approved in writing by South
8 Coast AQMD.

9 b. Once the flare station is connected to permanent grid power, Respondent shall
10 maintain the existing flare station generators for the purpose of backup power at the
11 flare station. Respondent shall also install backup power at the Zeeco unit by
12 December 5, 2024. Once the flare station is connected to permanent grid power and
13 backup power connection safety disconnect is installed at the Zeeco thermal oxidizer,
14 Respondent shall minimize combustion/control equipment downtime as a result of
15 power failure. Unless there are documented inaccessibility or dangerous conditions
16 for the required technician, or South Coast AQMD approval, Respondent shall
17 complete the first start up cycle of the combustion/control equipment in the following
18 time frames:

19 i. If the Zeeco unit experiences downtime: 1.5 hours when the required
20 technician is onsite. If the required technician is not onsite, they will arrive at
21 the site as promptly as possible, safety permitting, but not to exceed 2 hours.

22 ii. If the flares at the flare station experience downtime: the flare(s) associated
23 with the first generator shall complete their initial start up cycle within the
24 time frames listed above, and the flare(s) associated with the second generator
25 may take up to an additional hour to complete their initial start up cycle.

26 In the event that the first complete start up cycle is unsuccessful, Respondent shall
27 successfully restart the combustion/control equipment within 30 additional minutes.

28 In the event Respondent is unable to complete the necessary work to correct the power

1 failure and restart the combustion/control equipment within the timeframes listed
2 above due to inaccessibility or dangerous conditions for the technician, Respondent
3 shall document the conditions that do not allow for the work to be completed within
4 the required timeframe.

5 Permit applications for the engine(s) providing power and/or backup power shall be
6 submitted in accordance with Condition Nos. 73 and 79.

7 89. For any equipment for which Respondent has submitted a permit application to South Coast
8 AQMD that is not covered under Condition No. 86, and for any equipment for which
9 Respondent is required to submit a permit application to South Coast AQMD, Respondent
10 shall comply with the following requirements until the final approval of such permit
11 application, unless otherwise approved in writing by South Coast AQMD.

12 a. The equipment and associated ancillary parts shall be properly maintained and kept
13 in good operating condition at all times, which includes, where applicable, following
14 the manufacturer's recommendations and industry best management practices.

15 b. The equipment shall be operated and maintained by personnel properly trained in its
16 operation.

17 90. Within 30 days, or earlier, of the Department of Toxic Substances Control's (DTSC) final
18 approval of the written workplan for the permanent relocated tank farm, Respondent shall
19 submit to South Coast AQMD a complete permit modification application to the Landfill
20 Gas Condensate and Leachate Collection/Storage System (under Permit G66132, A/N
21 613131). The application shall include the revised tank location(s), revised number of
22 tanks/storage capacity, and the updated site-wide configuration of the system. The submittal
23 shall be accompanied with a complete Title V Revision application and shall be submitted
24 with an expedited permit processing request and associated required fees, forms, and
25 information.

26 91. Within 30 days, or earlier, of DTSC's final approval of the written workplan for the
27 permanent relocated tank farm, Respondent shall submit to South Coast AQMD a complete
28 permit application for each hazardous and non-hazardous liquid treatment system. The

1 submittal shall be accompanied with a complete Title V Revision application and shall be
2 submitted with an expedited permit processing request with associated required fees, forms,
3 and shall include, but not limited to, the applicable information listed in South Coast AQMD
4 Reg. II and below:

- 5 a. Separate permit applications for each treatment system.
 - 6 b. Process flow diagram for each treatment system illustrating the pathway(s) the liquid
7 is conveyed throughout the system and identifying which tanks the liquid is
8 transferred to and from, including identification of all potential emission release
9 points, the connections to the leachate storage tanks, safety components and the
10 associated specifications, if applicable), monitoring components (if applicable), and
11 identify which components are under vacuum or positive pressure.
 - 12 c. Specify the capacity, dimensions, and number of tanks and vessels in each system.
13 Identify, for each component (e.g. tanks and/or vessels) in each system, whether they
14 have headspaces.
 - 15 d. Standard operating procedures for each system to safeguard from overflow of leachate
16 and ensure minimal fugitive emission release points.
 - 17 e. Leachate flow rates, material usage rates, and process parameters affecting air
18 pollution emissions or needed to determine potential emissions of air pollutants.
- 19 92. Respondent shall send any file(s) with a cumulative size larger than 35 MB via a shared link,
20 by email, which allows South Coast AQMD personnel to be able to download the file(s).
- 21 93. Respondent shall ensure hydrostatic liquid level transmitters are installed in all leachate
22 storage tanks capable of having such transmitters installed in them to measure the level of
23 liquids within the tanks by June 30, 2025, and shall ensure such transmitters are installed as
24 part of installation of any new tanks capable of having such transmitters installed in them.
25 The transmitters shall be capable of uploading the liquid level readings to the cloud such
26 that the readings are accessible within 2 hours. The tank level information shall be
27 monitored by Respondent's personnel and communicated to necessary personnel involved
28 before and during tank filling operations.

- 1 94. Respondent shall submit, by May 30, 2025, a complete permit application for the additional
2 landfill gas combustion/control unit brought on-site in February 2025. The submittal shall
3 be accompanied with a complete Title V Revision application and shall be submitted with
4 an expedited permit processing request and associated required fees, forms, and
5 information.
- 6 95. Respondent shall submit, by April 30, 2025, a complete permit modification application for
7 the Landfill Gas Condensate and Leachate Collection/Storage System (under Permit
8 G66132, A/N 613131) to increase the landfill's liquid storage capacity and include the new
9 temporary tank farm located in Canyon D as part of the facility's leachate collection/storage
10 system. The submittal shall be accompanied with a complete Title V Revision application
11 and shall be submitted with an expedited permit processing request and associated required
12 fees, forms, and information.
- 13 96. By April 30, 2025, update the prior estimates of current and projected landfill gas generation
14 prepared pursuant to Condition No. 70 based on the Landfill ceasing to accept external waste
15 for disposal as of December 31, 2024, including any internal degradable waste disposed of
16 since that date, and submit an updated report on the landfill's current and projected landfill
17 gas generation through the end of calendar year 2029. Landfill gas generation shall be
18 estimated through use of U.S. EPA's LandGEM, and the Reaction Committee's analysis for
19 additional landfill gas generated as a result of the ongoing reaction. The report shall include
20 the items listed in Condition No. 70(a)-(c).
- 21 97. Respondent shall visually inspect all connection points, seams, and seals of the geosynthetic
22 cover(s) in and around the Reaction Area (as defined in Condition No. 9(a)) at least once
23 every seven (7) calendar days, and shall promptly repair any cover issues identified,
24 Respondent shall maintain a log demonstrating that it has completed each inspection and
25 addressed any issues with any connection points, seams, or seals of the geosynthetic cover,
26 including the date the issue was identified, the action taken to repair the damage, and the
27 time at which the repair was completed. Results of the inspection and the repair log required
28

1 by this condition shall be included in the monthly reports required pursuant to Condition
2 No. 8.

3 98. Respondent shall, not later than October 30, 2026 unless otherwise approved in writing by
4 South Coast AQMD, install a passive liquid and vapor collection receptacle onto all air
5 release valves installed on the leachate/condensate collection and conveyance piping and
6 any other valves installed on the subject piping where liquids or vapors may be
7 exposed/released to atmosphere, excluding any emergency pressure/vacuum relief valves.

8 a. Such receptacles shall be designed and installed to ensure that they are maintained in
9 an airtight condition. All vapors from the receptacles shall be vented and conveyed to
10 the landfill gas collection system. All collected liquids shall be conveyed to the
11 leachate/condensate collection system. The liquids from the receptacle shall not be
12 routed to the landfill gas collection system.

13 b. Respondent shall prioritize liquid and vapor collection receptacles installation on air
14 release valves on liquid collection/conveyance lines which move characteristically
15 hazardous liquids.

16 c. Any air release valve that does not have a fully installed and operational liquid and
17 vapor collection receptacle per Condition 98(a) above shall not be opened for any
18 reason unless otherwise approved in writing by South Coast AQMD.

19 d. Respondent shall inspect the valves, and associated liquid and vapor collection
20 receptacles at least once every 14 days. Inspections shall include observations (visual,
21 audible, tactile, odor, etc.) to determine any liquid or vapor leaks. Inspections shall
22 also include monitoring of connection points or joints using a PID as specified in
23 Condition 86(e)(i). All leaks detected shall be repaired consistent with the schedule
24 listed in Condition 86(e)(ii). Respondent shall maintain records for these inspections,
25 consistent with the requirements listed in Condition 86(e)(iii).

26 99. By December 21, 2025, all liquid/leachate transfers from stationary leachate storage tanks
27 into leachate tanker trucks, or from leachate tanker trucks into stationary leachate storage
28 tanks, shall be performed via bottom loading of leachate into the leachate tanker truck or

1 stationary storage tank to the maximum extent feasible. By March 16, 2026, not less than
2 50% of all liquid/leachate transfers from stationary leachate storage tanks into leachate
3 tanker trucks, or from leachate tanker trucks into stationary leachate storage tanks, shall be
4 performed via bottom loading.

- 5 100. By January 16, 2026, Respondent shall submit a feasibility assessment proposal to assess
6 the viability and functionality of a leachate vapor recovery and control system to recover
7 leachate vapors during loading of liquid/leachate into the leachate tanker trucks and control
8 the recovered vapors either in Respondent's existing landfill gas control system or in a new
9 or modified system. The proposal shall be submitted to the South Coast AQMD [attn:
10 Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda,
11 cojeda@aqmd.gov] for review and approval. Respondent shall incorporate South Coast
12 AQMD comment(s) on the proposal and shall submit a revised proposal, or shall provide
13 detailed justification for not incorporating the comment(s), within 15 days of receipt of South
14 Coast AQMD comment(s) unless otherwise approved in writing by South Coast AQMD.
15 Upon approval by South Coast AQMD, Respondent shall conduct the feasibility assessment.
16 Respondent shall submit a final report to South Coast AQMD within 150 days of the
17 approval of the feasibility assessment proposal [attn: Baitong Chen, bchen@aqmd.gov;
18 Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov] detailing the
19 results of the feasibility assessment, including at a minimum, all equipment considered (tank
20 trucks with standard vapor balance capabilities, vapor collection equipment, existing and/or
21 new designed adapters for tank truck vapor connections, vapor recovery/collection
22 equipment, vapor recovery/control configurations, etc.), companies contacted as part of the
23 assessment and associated written communication logs, and any further details collected or
24 considerations made relating to feasibility of a leachate vapor collection and control system.
25 If during the feasibility assessment, Respondent determines that such a system is feasible,
26 the submitted report shall include a workplan for the installation and operation of the
27 leachate vapor recovery and control equipment and related installations. The workplan shall
28 include a timeline for permit application submittals, and procurement of the leachate vapor

- 1 recovery and control equipment and for the commencement of leachate vapor recovery and
2 control.
- 3 101. For the purpose of this Order for Abatement, construction spoils are landfill trash, material
4 that is mixed with or in contact with landfill trash, or odorous material that is removed from
5 well holes or trenches, there shall be no stockpiling of construction spoils on the landfill
6 surface at any time, except for temporary staging for purposes of appropriate disposal. All
7 construction spoils shall be deposited at an appropriate disposal site within one hour of
8 generation or as deemed necessary by South Coast AQMD. Deposited means, they shall be
9 covered with a minimum of 6 inches of clean dirt, approved foam, or heavy-duty plastic
10 sheeting. Foam by itself shall not be used as a cover if it is raining or if rain is predicted by
11 National Weather Service prior to the next scheduled working day.
- 12 102. Respondent shall submit, by December 31, 2025, a complete permit modification application
13 for the Landfill Gas Condensate and Leachate Collection/Storage System (under Permit
14 G66132, A/N 613131) for the removal of tank farm #9, and relocation, construction, and
15 operation of tanks in tank farm #13 as part of the facility's leachate collection/storage
16 system. The submittal shall be accompanied with a complete Title V Revision application
17 and shall be submitted in accordance with Condition No. 79.
- 18 103. Respondent shall submit, by December 31, 2025, a complete permit application for the
19 hazardous and/or non-hazardous liquid treatment system constructed and operating in tank
20 farm #13. The submittal shall be accompanied with a complete Title V Revision application
21 and shall be submitted in accordance with Condition No. 79.
- 22 104. Respondent shall return for a status and modification hearing on May 28, 2026, or as soon
23 thereafter as the Hearing Board can schedule a hearing.
- 24 105. The Hearing Board may modify this Order for Abatement without the stipulation of the
25 parties upon a showing of good cause therefore, and upon making the findings required by
26 Health and Safety Code Section 42451(a) and District Rule 806(a). Any modification of the
27 Order shall be made only at a public hearing held upon 10 days published notice and
28 appropriate written notice to the Respondent.

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106. The Hearing Board shall retain jurisdiction over this matter until October 31, 2026 and at that time this Order shall no longer be of any force or effect, unless this Order is amended, modified, or dissolved before then.

107. This Order for Abatement is not intended to be nor does it act as a variance. Respondent is subject to all rules and regulations of the District and to all applicable provisions of California law. Nothing herein shall be deemed or construed to limit the authority of the District to issue Notices of Violation, to seek civil penalties or injunctive relief, or to seek further Orders for Abatement or other administrative or legal relief. The Findings of Fact are based on evidence presented by Petitioner and Respondent as of the date of this Order.

BOARD MEMBER: Mohan Balagopalan
Mohan Balagopalan

DATED: 2/12/26