

Stipulated Conditions 68(a) and 77

68(a)	<p><u>Respondent shall investigate known and possible data recorders or similar such devices for the existing leachate tank pressure/vacuum (P/V) vent valves. To the maximum extent feasible, the data recorder or other device(s) shall be capable of logging all positive pressure P/V vent valve opening events of the valve opening and closing and include details of the date, time, duration, and estimated discharge volume for each event. Respondent shall also investigate minimum pressure that activates the P/V vent valves for the leachate tanks, assess the potential for P/V vent valves opening during liquid operations, and the necessity for maintaining negative pressure in the tanks.</u></p> <p><u>Respondent shall prepare a report detailing the results of the investigation, including data recorder or other device(s) identified, viability of such device(s), feasibility of operation of such device(s) at the landfill, expected limitations (if any), and a proposed timeline for the design (if needed), procurement, and installation of such design(s), and results of the minimum pressure investigation, potential for P/V vent valves opening during liquid operations, and the necessity for maintaining negative pressure in the tanks. 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)] by January 29, 2027.</u></p>
77	<p>Respondent shall conduct aerial surveillance over the entire Main Canyon surface on a weekly basis, employing a drone equipped with sensors with a minimum detection level of 1 ppmv methane, and in accordance with OTM-51. If an aerial surveillance reading reaches or exceeds 200 ppmv methane, Respondent shall conduct follow-up ground-based surface emission monitoring field inspections according to the procedures of OTM-51 and U.S. EPA Method 21 <u>for the area(s) showing elevated methane detection</u>, unless Respondent is unable to monitor the subject locations due to inaccessibility or dangerous conditions for a technician. <u>If any inaccessibility or dangerous conditions are present, at the time that ground-based surface emission monitoring is required, the reasoning for these conditions shall be well documented and shall clearly identify the specific areas that are part of the determination.</u> The follow-up <u>ground-based surface emission monitoring</u> field inspection shall be performed within 2 hours of becoming aware of aerial surveillance exceedances, <u>as evidenced by notification in writing</u>. If an exceedance of 500 ppmv methane is found or confirmed during the follow-up <u>monitoring</u> inspection, Respondent shall implement corrective actions within 2 calendar days <u>of the ground-based surface emission monitoring field inspection</u>, including but not limited to, geosynthetic cover maintenance or repair, landfill cover maintenance or repair, wellfield vacuum adjustments, and piping/gas component maintenance or repair. <u>Ground-based surface rRe-monitoring of surface emissions after the corrective action is completed shall be performed within 10 calendar days of the completed actions and shall be documented. If another exceedance is discovered within an 85-foot radius of the initial exceedance's</u></p>

location in the same area of the grid as the prior exceedance during re-monitoring, and if the cover in that area is not impacted by nearby construction activities (e.g. EVOH cover installation as depicted on the weekly maps submitted by Respondent), then Respondent shall install a new or replacement gas collection infrastructure (collection well(s), header(s), interceptor(s)) within 30-45 days of the re-monitoring activity, or as otherwise approved in writing by South Coast AQMD, to improve gas extraction within the grid. -If Respondent continues to see verified exceedances of 500 ppmv methane located within an 85-foot radius of the initial exceedance's location during the next 60 days following the installation, and if the cover in that area is not impacted by nearby construction activities (e.g. EVOH cover installation), Respondent shall begin to design and plan construction of EVOH cover for the area. If Respondent continues to see verified exceedances of 500 ppmv methane located within an 85-foot radius of the initial exceedance's location during another 30-day period, and if the cover in that area is not impacted by nearby construction activities (e.g. EVOH cover installation), Respondent shall, for areas that are not already covered by EVOH, cover the area with EVOH within 45 days. Respondent may request an extension from South Coast AQMD for installation of the EVOH due to weather-related installation issues. In its request for an extension related to weather, Respondent shall specify the duration during which Respondent proposes to suspend further EVOH cover installation due to adverse weather. the next three (3) a landfill surface grid includes exceedances of 500 ppmv methane for two consecutive weekly drone flights following the well installation results in three (3) consecutive verified exceedances of 500 ppmv methane, located within an 85 foot radius of the initial exceedance's - at that location, and if the cover in that area is not impacted by nearby construction activities (e.g., EVOH cover installation), Respondent shall install a new or replacement gas collection infrastructure (e.g. well(s), header(s), interceptor(s)) within 30-45 days of the second/third exceedance, or as otherwise approved in writing by South Coast AQMD, to improve gas extraction within the grid. As an alternative to installing new or replacement gas collection infrastructure in both of the above instances, for areas that are not already covered by EVOH, Respondent may elect to cover the impacted landfill surface grid area - EVOH - of the recorded exceedance to address the exceedances. Respondent shall develop 1) a color-coordinated geospatial interpolated methane map displaying the absolute value results of the methane readings, 2) a color-coordinated geospatial interpolated methane map displaying the change in methane readings as compared to the prior aerial surveillance, 3) a map displaying geolocated coordinates with local methane peaks and ground-based follow-up peak verification, ~~and~~ ~~and~~ 4) a map displaying the drone flight path, ~~and~~ 5), if applicable, a map displaying the areas impacted by construction activities (other than EVOH installation activities), with the type(s) of construction activity indicated ~~(e.g. EVOH cover grading prep, EVOH installation, etc.)~~. The local methane peak map (map #3) shall include a color legend to differentiate locations displaying methane readings of 1) < 200 ppmv, 2) ≥ 200 and < 500 ppmv, 3) ≥ 500 and < 1,000 ppmv, 4) ≥ 1,000 and < 2,000 ppmv, 5) ≥ 2,000 and < 5,000 ppmv, and 6) ≥ 5000 ppmv, or as

otherwise approved in writing by South Coast AQMD. The interpolated maps displaying the absolute value (map #1) and change in methane readings (map #2) shall include a color legend to differentiate the magnitude of the reading, as determined by Respondent, or as otherwise requested by South Coast AQMD. The maps, follow-up field inspection measurements and locations with associated dates/times, causes of exceedances (500 ppmv methane or greater), any corrective actions performed, and documentation (date, time, reasoning) of field inspections not performed due to inaccessibility or dangerous conditions shall be provided in the subsequent monthly report pursuant to Condition 8(c). Raw data used to create any of the above documents shall be provided to South Coast AQMD within 5 working days of request.

a. An extension to the gas collection infrastructure well installation timelines under Condition 77 above may be requested in writing, 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)]. The extension request shall be submitted at least 7 days prior to the 3045-day applicable gas collection infrastructure well installation deadline, and shall include, at a minimum, follow-up field inspection measurements, corrective actions performed, date of all follow-up field inspection measurements and corrective actions performed, and detailed reasoning of equipment delays, operational concerns, safety concerns, or other reasons inhibiting the installation of the well(s) infrastructure according to the 3045-day applicable schedule.