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BEFORE THE HEARING BOARD OF THE
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

In the Matter of

SOUTH COAST AIR QUALITY
MANAGEMENT DISTRICT,

Petitioner,

vs.

ALLIED WASTE COMPANY, INC., and REPUBLIC
SERVICES, INC. dba SUNSHINE CANYON
LANDFILL, a California Corporation,

(Facility ID No. 49111)

Respondent.

CASE NO. 3448-13

(PROPOSED)
FINDINGS AND DECISION FOR
AN ORDER FOR ABATEMENT
(STIPULATED)

Hearing Date: March 24, 2010

FINDINGS AND DECISION OF THE HEARING BOARD

This petition for a stipulated Order for Abatement was heard on December 17, 2009, February 2, 3 and 6, March 3 and 24, 2010, pursuant to notice and in accordance with the provisions of California Health and Safety Code § 40823 and SCAQMD Rule 812. The following members of the Hearing Board were present: Edward Camarena, Chair; Barry Read, Vice Chair; Michael Glovsky M.D.; Steve Zikman; and Marti L. Klein. Petitioner, Executive Officer, was represented by Carol L. Engelhardt, Senior Deputy District Prosecutor and by Nancy Feldman,

1 Principal Deputy District Prosecutor (March 3, 2010 only). Respondents, Browning Ferris
2 Industries of California, Inc., a wholly owned subsidiary of Republic Services, Inc., (misidentified
3 herein as "ALLIED WASTE COMPANY, and REPUBLIC SERVICES, INC."), are corporations
4 authorized to do business in the State of California (hereinafter referred to as "Respondent") and
5 were represented by Robert S. Nicksin, attorney at law of the firm of O'Melveny and Myers LLP.
6 The public was given the opportunity to testify, evidence was received and the matter was
7 submitted. The Hearing Board finds and decides as follows:

8 1. Petitioner, South Coast Air Quality Management District (also referred herein as
9 the "SCAQMD"), is a body corporate and politic established and existing pursuant to Health and
10 Safety Code § 40000, *et seq.* and § 40400, *et seq.*, and is the sole and exclusive local agency with
11 the responsibility for comprehensive air pollution control in the South Coast Basin.

12 2. Respondent is a business subject to the jurisdiction of the SCAQMD. Respondent
13 owns and operates a landfill/solid waste disposal site located at 14747 San Fernando Road,
14 Sylmar, California 91342 (hereinafter referred to as the "Facility").

15 3. Portions of the Facility are located in the City of Los Angeles; the entire Facility is
16 located in the County of Los Angeles. The Facility has been in operation since the 1950s and,
17 over the years, trash and garbage (hereinafter "trash") has been placed in both the City portion of
18 the Facility and the County portion of the Facility. As the trash has been deposited, the
19 topography of the site has changed. It is anticipated that the Facility will continue to receive trash
20 for approximately 20 years. The engineered plan for future trash deposits consists of a series of
21 "cells." The deposit of trash is regulated as set forth in the Joint Technical document as approved
22 by applicable governmental agencies.

23 4. The Facility is located approximately one mile to the north of Granada Hills, an
24 area that contains a large number of residential properties and at least two schools: the Van Gogh
25 Elementary School and the Robert Frost Middle School. Schools and residential locations are
26 located approximately one mile to the south and south east of the Facility and at a lower
27 elevation. The Facility is surrounded by mountains, and directly below the southern boundary
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1 (also referred to as the "southern berm") of the Facility the topography contains at least two
2 ravines which run generally north and south from the southern berm toward the neighborhood
3 areas.

4 5. Nighttime and early morning wind flows are, at times, a drainage pattern with
5 winds flowing down slope. Nighttime generally brings cooler air temperatures. The cooler air is
6 less buoyant and may tend to hold odors that may be present down closer to the surface. During
7 the day, the air warms, becomes more buoyant and tends to rise, dispersing any odors that may
8 exist. These normal patterns can be disrupted by other meteorological events such as Santa Ana
9 wind events and other weather systems. As the Santa Ana wind events end, the air in the northern
10 San Fernando Valley tends to stagnate.

11 6. The Facility is located on approximately 1,036 acres with a waste disposal area of
12 approximately 363 acres. With the exception of the approximately one half to four acre
13 "Working Face" (the area where trash is newly deposited at the Facility), the landfill is covered
14 with soil or approved cover. The active Working Face is open to the air. During hours of non-
15 operation the Working Face is covered with tarps or other approved cover, including dirt. After
16 closing on Saturday at 2 P.M. to opening on Monday at 6 A.M., soil cover is used for odor and
17 vector control. Pursuant to government-imposed requirements (via the Local Enforcement
18 Agency), Respondent began depositing all trash at one Working Face in 2009. In prior years
19 trash was deposited at two Working Faces.

20 7. The Facility is permitted to receive up to 12,100 tons of municipal solid waste per
21 day during the hours of 6:00 A.M. to 6:00 P.M., Monday through Friday and 7:00 A.M. to 2:00
22 P.M. on Saturday. The Facility is not operating at full capacity. The amount of trash received at
23 the Facility increased during 2009 by approximately 30 percent. Monthly tonnage from June
24 2008 through March 2009 ranged from 140,000 tons to 178,000 tons. From April 2009 through
25 October 2009 the amount of trash exceeded 200,000 tons in each month. During November 2009,
26 trash deposits totaled 174,008 tons.

8. Some of the trash deposited at the Facility is delivered in transfer trucks that have been loaded at transfer stations throughout Los Angeles County, and some is delivered from neighborhood collection vehicles. A significant number of transfer trucks are loaded on Friday or Saturday and delivered to the Facility on Monday. Approximately 70–80% of the transfer trucks visiting the Facility are under the control of Respondent. After arrival at the Facility, the trucks are driven up the “haul road” to the Working Face area of the Facility and unloaded.

9. The delivery, unloading, movement and dumping of trash at the Working Face may create odors. These odors are made up of a variety of individual constituents and compounds.

10. SCAQMD Rule 402 states as follows:

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

Health and Safety Code § 41700 contains similar prohibitions.

11. The Facility has in recent months been the source of an increase in odor complaints to the SCAQMD. The following Notices of Violation were issued in 2008, 2009 and 2010:

<u>Notice of Violation No.</u>	<u>Rule(s) Violated</u>	<u>Date of Violation</u>
P26963	402	10/17/08
P49903	402/H&S Code § 41700	3/2/09
P49910	402/H&S Code § 41700	10/5/09
P49911	402/H&S Code § 41700	11/2/09
P49912	402/H&S Code § 41700	11/3/09
P49913	402/H&S Code § 41700	11/4/09
P49914	402/H&S Code § 41700	11/9/09
P49915	402/H&S Code § 41700	11/10/09
P49916	402/H&S Code § 41700	1/29/10
P49917	402/H&S Code § 41700	2/1/10
P49918	402/H&S Code § 41700	2/26/10

12. The volume of complaints called in to the SCAQMD concerning the Facility increased dramatically in October and November 2009. In 2007, the SCAQMD received 24 odor

1 complaints concerning the Facility. In 2008, the SCAQMD received 52 complaints. In 2009, the
2 SCAQMD received 309 complaints with 46 prior to June, 1 in June, 6 in July, 18 in August, 12 in
3 September, 52 in October, 160 in November, and 14 in December. In addition, 64 complaints
4 were recorded in January, 2010 and 94 complaints were received in February 2010. Thirty
5 complaints were received on February 26, 2010. At least one school has been impacted by the
6 odors.

7 13. At hearings before the Hearing Board held on December 17, 2009, February 2, 3
8 and 6, and March 3, 2010, approximately 35 individuals who are either residents of
9 neighborhoods in the vicinity of the Facility, representatives of local community groups, parents
10 of children attending neighborhood schools, employees of those schools, or representatives of
11 government agencies responsible for areas including the neighborhood, testified that odors
12 originating from the Facility were causing them detriment, nuisance and annoyance. Among the
13 maladies reported by some of the witnesses were headache, nausea, eye and throat irritation,
14 discomfort, difficulty breathing and other symptoms. Some witnesses also reported an inability to
15 enjoy outdoor activities at their homes or the nearby parks due to the odors.

16 14. An evaluation of the wind direction and speed indicates that the odor complaints
17 increase when the wind is from the north or northeast and is 15 miles per hour or less, or, if there
18 is very little wind movement. The majority of the complaints were called in to the SCAQMD
19 during the morning hours from 7:00 A.M. to 8:00 A.M. The number of complaints has increased
20 in the months of October, November and January which is consistent with cooler airflow and also
21 associated, in some instances, with calm wind conditions.

22 15. In 2009, SCAQMD Inspector Larry Israel responded to the vicinity of the Facility
23 to investigate complaints of odor on approximately 30 days. On nine of those days he detected
24 odors, traced the odors to the Facility, interviewed impacted residents or individuals at Van Gogh
25 school, verified that the odors those people described were generated by the operations at the
26 Facility, and issued Notices of Violation of Rule 402 and Health and Safety Code § 41700.

1 16. Testimony by the SCAQMD inspectors and public witnesses indicate that the
2 majority of odor complaints are generated in the morning hours. The heaviest volume of
3 complaints often occurs on Monday mornings when trash trucks arrive at the Facility with trash
4 that may have remained in the trucks for one or two days after the trucks were loaded at transfer
5 stations on the prior Saturday.

6 17. Testimony by the Respondent's representatives indicates that after four days of
7 extremely heavy rain from January 19, 2010 to January 22, 2010, six wells in the gas collection
8 system were affected by erosion around the wellheads resulting in excess gas being emitted to the
9 atmosphere.

10 18. Respondent testified that heavy rains on days prior to February 26, 2010 may have
11 caused damaged to the landfill gas collection system and contributed to odor complaints on
12 February 26, 2010.

13 19. Numerous factors have been identified as potential contributors to the odor issues
14 including but not limited to:

- 15 a. Increases in delivered tonnage of trash;
- 16 b. Size and location of the Working Face;
- 17 c. Monday morning deliveries containing trash that was picked up the prior
18 Friday or Saturday;
- 19 d. Wind direction and climactic conditions;
- 20 e. Trash trucks on the mile long haul road emitting odors from both trash and
21 leaking liquids;
- 22 f. Destruction of vegetation. A large number of trees and shrubs located
23 between the complainants and the Facility were destroyed as a result of two
24 wildfires in 2008. This vegetation has not grown back to its original height
25 and thickness; and
- 26 g. Landfill gas emissions from either the surface of the landfill or landfill gas
27 control equipment.

1 20. Starting in March 2009, Respondent, in continual efforts to control the odors,
2 implemented changes to the operation of the Facility that it believes will have an effect on the
3 odor problems. Respondent has implemented the following changes:

- 4 a. A hot line was established to receive calls from members of the
5 community. These calls are answered by a worker trained to handle odor
6 complaints and are routed immediately to Respondent's management via
7 email;
- 8 b. Odor patrols were initiated by Respondent, utilizing management
9 employees that patrol the residential area south of the Facility, investigate
10 odors, and receive input from local residents;
- 11 c. The haul road and other unpaved areas of the Facility are treated on a
12 multiple-application-per-day basis with a neutralizer and water mixture for
13 both odor and dust control;
- 14 d. Landfill gas control improvements were made to ensure the more efficient
15 capture and destruction of landfill gases;
- 16 e. A perimeter misting system was established along the southern boundary of
17 the Facility. This misting system utilizes a neutralizer and water mixture to
18 control odors that may drift off of the landfill;
- 19 f. A movable Working Face misting system was established along the
20 southern edge of the Working Face, utilizing a neutralizer and water
21 mixture to control odors that may drift off of the Working Face;
- 22 g. A DustBoss system, which mists large areas of the Working Face, was
23 purchased and is being utilized;
- 24 h. Approval was received from the Regional Water Quality Control Board to
25 utilize misting (neutralizer and water) devices on the tarp placement
26 equipment, for treatment prior to covering;

- i. At specified times, neutralizer is applied directly on the trash in the transfer trucks at Respondent's transfer facilities prior to shipment to the Facility.
- j. The size of the Working Face has been reduced by approximately half during periods of adverse wind conditions. Limiting the size of the Working Face is believed to have a direct effect on odor minimization;
- k. Respondent has agreed to re-route transfer trucks controlled by it to other landfills on Monday mornings and during periods of adverse winds;
- l. Respondent has agreed to engage in a variety of studies aimed at better understanding the sources of odors from the Facility, their transport, meteorological conditions affecting odor transport; potential mitigation measures, and related issues; and
- m. Respondent has agreed to spearhead an effort to replant vegetation lost in the wildfires of 2008 in the area south of the Facility.

21. Respondent indicates that the amount of trash being deposited on the Facility was reduced in November and December 2009 by almost 500 tons per day.

22. Respondent indicates that the closure of this Facility, while reducing air contaminants, would have significant consequences due to lack of capacity of other landfills to handle trash currently destined for the Facility.

23. SCAQMD Rule 402 and California Health and Safety Code § 41700 prohibit the causation of a nuisance.

24. Petitioner alleges that Respondent is operating the Facility in a manner which has resulted in the issuance of multiple Notices of Violation.

CONCLUSION

1. Based on the testimony of the resident Public Witnesses described in the Findings of Fact, and the corroborating testimony of the SCAQMD inspectors, the Hearing Board concludes that on multiple days since October 2009 the Facility has been the source of air contaminants—and

specifically of odors—that caused detriment, nuisance, or annoyance to a considerable number of persons, and which endangered the comfort and repose of such persons.

2. The issuance of this Order for Abatement will not constitute a taking of property without due process of law and is not causing the closure or elimination of Respondent's business.

3. If the issuance of this Order for Abatement results in the closing or elimination of an otherwise lawful business, such closing would not be without a corresponding benefit in reducing air contaminants in that Respondent is allegedly operating the Facility in a manner that is generating air contaminants.

4. Petitioner alleges that operation of the Facility has on multiple days since October 2009 constituted a nuisance within the meaning of SCAQMD Rule 402 and Health and Safety Code § 41700.

5. The adoption of the conditions set forth hereinafter is likely to result in lawful operations by Respondent with respect to complying with SCAQMD rules and regulations.

ORDER

THEREFORE, subject to the aforesaid statements and good cause appearing, Respondent is hereby ordered to cease and desist conducting operations at the Facility that result in noncompliance with SCAQMD rules, or to comply with the conditions set forth below:

1. Restriction of Working Face and Reduction of Incoming Trash on Monday Mornings and During Adverse Wind Conditions¹

a. On all Monday mornings from 6:00.A.M. to 9:00 A.M., Respondent shall not deposit at the active Working Face incoming trash contained in any transfer truck that is under the control or ownership of Respondent. These transfer trucks shall

¹ Adverse Wind Conditions are defined as either: (i) Wind speed measured at the existing monitor at the southern berm from all directions as less than 2 mph; or, (ii) Wind speed measured at the same monitor coming from the north/northeast direction from between 320 degrees and 15 degrees at less than 15 mph. Wind speed is based on measured winds from three continuous one-hour averaging periods commencing at 3 a.m. Any hour in which there is measurable precipitation will not be classified as an Adverse Wind Condition under this order, in that precipitation generally suppresses odors at landfills.

1 be re-routed to other offsite locations, or not allowed to unload until after 9:00
2 A.M. Records shall be kept for three years in the Landfill Scale House as to the
3 ownership, transfer station origin, weigh time, load deposit time and tonnage of the
4 load of each separate transfer truck that either deposits trash during the 6:00–9:00
5 A.M. hours or is delayed at the Facility until after 9:00 A.M., and shall be made
6 available to the SCAQMD upon request. Records shall be provided to the
7 SCAQMD upon request. In addition, Respondent shall, on a monthly basis, send
8 to the SCAQMD (Attn: David Jones, AQ Analysis & Compliance Supervisor,
9 Engineering & Compliance, Email: DJones@aqmd.gov) a summary of total
10 tonnage deposited during the 6:00–9:00 A.M. timeframe and the origin of vehicles.

11 b. On all days other than Monday, Respondent shall not deposit incoming trash at the
12 active Working Face contained in any transfer truck that is under its control or
13 ownership from 6:00 A.M. to 9:00 A.M. if Adverse Wind Conditions are measured
14 as defined in Condition 1(a) immediately above. These transfer trucks shall be re-
15 routed to other offsite locations, or not allowed to unload until after 9:00 A.M.
16 Records identical to those described in Condition 1(a) above shall be kept for three
17 years in the Landfill Scale House as to the ownership, transfer station origin, weigh
18 time, load deposit time and tonnage of the load of each truck and shall be made
19 available to the SCAQMD upon request.

20 c. The size of the active landfill Working Face shall immediately be restricted and
21 covered with tarps or soil cover so that no more than 30,000 square feet shall be
22 open and/or uncovered at any time from 6:00 A.M. to 10:00 A.M. on all Monday
23 mornings and from 6:00 A.M. to 10:00 A.M. on all other days that Adverse Wind
24 Conditions are measured;

25 Respondent shall, starting at 6:00 A.M. and on an hourly basis thereafter from 6:00
26 A.M. to 10:00 A.M., measure the size of the Working Face using a measuring
27 device satisfactory to the SCAQMD and maintain records as to the length and
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width of the Working Face for at least three years and make such records available to the SCAQMD upon request.

- d. Respondent shall apply an odor neutralizer (not an odor masking agent) to each trash load prior to the departure of any transfer truck from transfer stations owned or operated by Respondent whenever Adverse Wind Conditions are measured at the landfill and where a trash load is to be deposited at the Facility;
- Documentation of the date and location of the loading of the truck and the method and frequency of the application of the neutralizer shall be maintained for three years as to each transfer truck and provided to the SCAQMD upon request.

2. Working Face Controls

a. Working Face Perimeter Misting System

- i. Respondent shall maintain and be ready to operate a perimeter misting system to apply odor neutralizer. The system shall be located on the downwind side of the landfill Working Face, within 100 yards of the Working Face unless it is necessary to locate the perimeter system on an adjacent bench above or below the Working Face because the Working Face is less than 100 yards from the edge of the Working Face bench.
- ii. Respondent shall operate the misting system continuously on Mondays from 6:00 A.M. to 10:00 A.M. and when Adverse Wind Conditions are measured from 6:00 A.M. to 10:00 A.M. when trash is being deposited on the Working Face or when the Working Face is not covered by a tarp or alternative daily cover.

b. DustBoss Odor Control System

- i. Respondent shall locate and be ready to operate at least one DustBoss, or equivalent system as approved by the SCAQMD, at the active Working Face of the landfill. The DustBoss or equivalent shall have the capacity to cover a minimum of 21,000-square feet with neutralizer in less than five

minutes and shall be operated and maintained in accordance with all manufacturer specifications.

ii. The DustBoss or equivalent shall be operated from 6:00 A.M. to 10:00 A.M. on all days Adverse Wind Conditions are measured from 6:00 A.M. to 10:00 A.M. The DustBoss shall be operated in such a manner and with sufficient neutralizers to mitigate transient odors from the landfill Working Face.

iii. Respondent shall notify the SCAQMD [1-800-CUT-SMOG] within one hour of any breakdown of the DustBoss or equivalent and will further notify the SCAQMD if the DustBoss or equivalent system is not repaired within 48 hours. Written documentation for the operation and maintenance of the equipment shall be maintained on-site and made available to the SCAQMD upon request.

3. Landfill Perimeter Misting System

a. Respondent shall, no later than March 3, 2010, install, maintain in good working order, and be ready to operate a landfill perimeter odor control misting system, situated along the entire southern boundary of the landfill for the application of neutralizer mist. The system shall be constructed and operated to the satisfaction of the SCAQMD.

b. Respondent shall operate the system:

i. Continuously on Mondays commencing no less than 30 minutes prior to the first placement of refuse at the landfill and continuing during Monday landfill working hours;

ii. Continuously on days other than Mondays as long as Adverse Wind Conditions persist; and

iii. In such a manner and with sufficient neutralizers to mitigate transient odors from the landfill.

- 1 c. Respondent shall, no later than May 1, 2010, provide to the SCAQMD (Attn:
2 Edwin Pupka, Senior Enforcement Manager, Engineering & Compliance,
3 Telephone No. (909) 396-3332, Email: epupka@aqmd.gov) a detailed diagram of
4 the system as installed including lengths of segments, locations of sprays and any
5 other requested information.

6 4. Tarping Misting System

- 7 a. Respondent shall treat the Working Face with neutralizer prior to covering the
8 Working Face with tarps each night;
- 9 b. Respondent shall continue to maintain and operate an odor neutralization system
10 on its tarp deployment equipment for direct application of the neutralizer to the
11 Working Face as the tarp is put in place;
- 12 c. Respondent shall operate the system during all tarping activities, applying
13 neutralizer directly to the Working Face; and
- 14 d. Respondent may test an approach that uses the DustBoss prior to tarping for the
15 night with the goal of testing the capability of the DustBoss to provide broader
16 misting coverage to the Working Face based on the topography of the site. The
17 SCAQMD (Attn: Larry Israel, 1-800-CUT SMOG) shall be notified at least 48
18 hours prior to the testing and the results of the testing shall be summarized and
19 provided to the SCAQMD (Attn: Edwin Pupka) within one week of the
20 completion of the tests.

21 5. Haul Roads

- 22 a. Respondent shall not allow waste collection or transfer station trucks/vehicles on
23 the main haul road prior to the opening of the landfill at 6:00 A.M.; and
- 24 b. Respondent shall apply water-containing odor neutralizer to the main haul road
25 and all access roads to the landfill Working Face at least once every two hours of
26 active landfill operations except during periods of measurable precipitation.

1 recommendations concerning appropriate odor abatement measures. The
2 study may consider contractual and other legal limitations on the operation
3 of the Facility. The proposal shall:

- 4 A. Include a timeline for completion of the study no later than 150
5 days after SCAQMD approval of the study proposal. A single
6 extension of the completion date of no more than 60 days may be
7 approved by the SCAQMD (Edwin Pupka) upon a showing of good
8 cause therefore. Any further extension of the deadline for
9 completion of the study requires approval by the Hearing Board;
- 10 B. Be designed to characterize wind flow patterns (including but not
11 limited to wind speed, wind direction, diurnal day and night time
12 wind flow, wind drainage, and seasonal patterns), ambient
13 temperature, humidity, temperature inversions, precipitation, and
14 other available meteorological data and effects. The
15 characterization of wind flow patterns shall include analysis of data
16 from the southern berm and Van Gogh School monitors for the
17 years 2008, 2009 and 2010;
- 18 C. Include data provided by the SCAQMD on the location of
19 community complaints for the years 2008, 2009, and 2010 and
20 reasonably attributed to the landfill;
- 21 D. Include the communities located at the base of or in proximity to
22 the southern berm portion of the landfill and as far south as the area
23 of Robert Frost Middle School with special emphasis on the
24 specific situations in the vicinity of and on Lisette and Nanette
25 Streets;
- 26 E. Include consideration of the amount and hourly rates of delivery of
27 trash to the Working Face;
- 28

1 F. Include the number, date and time of community complaints
2 received;

3 G. Include the location of planned future placement of refuse, future
4 Working Face locations, and elevation changes in the landfill as it is
5 filled;

6 H. Include provisions for the analysis of the use and placement of odor
7 control methods and materials at the Facility including haul roads,
8 landfill refuse, landfill Working Face, operating methods during
9 adverse wind conditions; placement of the DustBoss or equivalent
10 misting systems; and

11 I. Consider contractual or other legal limitations on relocation of these
12 elements within the landfill.

13 ii. Upon receipt of District approval of the proposal, Respondent shall
14 immediately commence the study and shall upon completion deliver a copy
15 to the District (Attn: Edwin Pupka).

16 b. Delivery Alternatives Study

17 Respondent shall, no later than 60 days after issuance of this Order, submit a
18 completed study and recommendations for further action to the SCAQMD (Attn:
19 Edwin Pupka) regarding alternatives to depositing trash on the existing Working
20 Face on Monday mornings and during Adverse Wind Conditions. This study is to
21 take into account contractual issues between Respondent, third-party haulers, the
22 City and County of Los Angeles, and other impacted governmental entities. The
23 study shall include details and analysis of the number of trucks diverted, disposal
24 facility destinations and tonnage, and the transfer station where loaded.
25 Respondent shall comply within 15 days with any SCAQMD-approved
26 recommendations and provisions of the study.

1 c. Neutralizer at Transfer Station Study

2 Respondent shall, no later than 60 days after issuance of this Order, submit for
3 approval to the SCAQMD (Attn: Edwin Pupka) a proposal for a study to
4 evaluate, determine, and recommend the most effective type and method of
5 application of an odor neutralizer(s) to materials contained in incoming transfer
6 trucks. The study shall be completed no later than 180 days after receipt of
7 approval of the proposal. Any recommendation for further action that is approved
8 by the District shall be implemented as soon as practical but in no event later than
9 60 days after its approval.

10 d. Neutralizer Study

11 Respondent shall, no later than 60 days after issuance of this Order, conduct and
12 complete a study that evaluates the use of alternative odor containment control or
13 elimination materials (including neutralizers and the DustBoss DB-M-High-
14 density, low-velocity mist product applicator, and the application of foam) and
15 develop findings and recommendations which support the choice of materials and
16 methods of application being used by Respondent, and provide the written results
17 of its findings and recommendations for further action to the SCAQMD (Attn:
18 Edwin Pupka). Any recommendation for further action that is approved by the
19 District shall be implemented as soon as practical but in no event later than 30 days
20 after its approval.

21 e. Working Face Study

22 i. Within 30 days after issuance of this Order, Respondent shall provide to the
23 District (Attn: Edwin Pupka) a proposal for a study, the goal of which is to
24 determine best practices for minimizing odors from the Working Face. The
25 study is to consider:

26 A. Restricting or otherwise limiting the size and the partial tarping of
27 the active landfill Working Face;

- 1 B. The examination of the tonnage of waste deposited at the Working
2 Face, on an hourly and daily basis;
- 3 C. Total tarping of the inactive landfill Working Face;
- 4 D. The use of soil as an alternative to or in conjunction with tarping;
- 5 E. The effect, if any, of the use of soil cover on leachate flow and
6 landfill gas collection;
- 7 F. The effect, if any, of the alternative covers on the solid waste
8 disposal operations at the Facility;
- 9 G. The extent and effect, if any, of odors upon the removal of the soil
10 cover on Monday mornings;
- 11 H. The daily size (area) of the Working Face and any correlation
12 between the size of the Working Face and odor control;
- 13 I. The correlation between the type of cover and any odor complaints;
- 14 J. The correlation between any odor complaints and activities at the
15 Facility, including the use of neutralizers;
- 16 K. Odor events and complainant data as provided by the SCAQMD;
17 and
- 18 ii. One hundred and eighty days after approval by the SCAQMD (Ed Pupka)
19 of the proposal, a report of the study shall be submitted to the SCAQMD
20 Ed Pupka which shall include the details of items A through K above,
21 analysis, conclusions and recommendations for action, including
22 recommendations for daily cover methods and materials at the Working
23 Face. Any recommendation for action that is approved by the SCAQMD
24 (Edwin Pupka) shall be implemented as soon as practical but in no event
25 later than 60 days after its approval.
- 26 iii. Three hundred and sixty-five days after the approval by the SCAQMD (Ed
27 Pupka) of the proposal, a supplemental report shall be filed which may
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1 include additional analysis, conclusions and recommendations for action.
2 Any recommendation for action that is approved by the SCAQMD (Edwin
3 Pupka) shall be implemented as soon as practical, but in no event later than
4 60 days after its approval.

- 5 iv. Quarterly reports shall be due 90 days and 270 days after approval of the
6 study proposal by the District, and shall be submitted to the District (Attn:
7 Edwin Pupka). These quarterly reports are to document the size of the
8 Working Face for the prior quarter and examine the correlation between the
9 size of the Working Face and any odor events that may have occurred
10 during the period.

11 8. Consultation for Odor Control

12 Respondent shall consult with the Los Angeles County Sanitation landfills and at least two
13 other operators outside of the SCAQMD and develop a report on successful landfill odor-
14 abatement practices and operational procedures including control of landfill gas surface
15 emissions resulting from rain impacts to the control system. The report shall include an
16 analysis and recommendations concerning methods to protect and prevent erosion and
17 other water-caused impacts to the gas collection system. A report concerning
18 Sunshine/Republic's efforts including a listing of names and addresses of contacts,
19 research resources and findings and recommendations shall be submitted to the SCAQMD
20 (Attn: Edwin Pupka) no later than 30 days after the issuance of this Order. Any
21 recommendation for further action that is approved by the District shall be implemented as
22 soon as practical but in no event later than 60 days after its approval.

23 9. Vegetation

24 Respondent shall after consultation with and approval from applicable governmental
25 agencies and their designated arborists, present a plan by June 1, 2010, that addresses the
26 following: (a) augmenting (through the planting of trees and shrubs) the existing
27 vegetation that remains after the recent Sesnon and Sayre fires on the southern berm areas
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1 of the landfill including, if possible, the southward descending canyons; (b) the selection
2 and planting of trees in areas on the southern berm of the landfill where there are no
3 remaining trees; (c) the maintaining of plants to maturity; (d) replacement of dead plants
4 or trees, including the timing of replacement, and; (e) an analysis of the ownership of all
5 properties downslope between the Facility and the community to the south of the Facility
6 and the practicality of replanting those properties. The planting of the southern berm shall
7 be completed no later than August 31, 2010 or any later date recommended by the
8 designated arborists. The area shall be monitored on a weekly basis to determine the
9 health of the vegetation. An extension of the above deadlines may be approved by the
10 SCAQMD (Edwin Pupka) upon a showing of good cause therefore.

11 10. Odor Survey

- 12 a. Commencing as soon as practical but in no event later than 15 days after approval
13 of this Order, Respondent shall conduct odor surveys.
- 14 b. Odor surveys shall be conducted by Facility employees or authorized third parties
15 who have received training in odor detection and characterization.
- 16 c. The survey area shall be the Granada Hills residential area bounded by Balboa
17 Boulevard on the east, Jolett Avenue on the south and west, and the foothills north
18 of Sesnon Avenue. However, if an odor complaint is received from a location
19 outside of the survey area and reasonably attributable to the Facility, Respondent
20 shall also investigate and report that complaint as described below.
- 21 d. The survey shall identify and document odors originating from the Facility,
22 including:
- 23 i. The intensity of the odors, as measured by the District's odor classification
24 chart;
- 25 ii. The character of the odors;
- 26 iii. The source of the odors, including actions taken to identify the source, and
27 iv. Actions taken to eliminate or mitigate the odors.
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- 1 e. The survey shall be conducted continuously between the hours of 7:00 a.m. and
2 9:00 a.m., Monday through Friday except for days when the Facility is closed.
- 3 f. An odor survey shall be conducted immediately when the Facility receives an odor
4 complaint during normal Facility working hours from any source including, but
5 not limited, to the Local Enforcement Agency, the SCAQMD, any school, or
6 directly from any person in the community.
- 7 g. Each daily survey shall be documented, including:
- 8 i. Names of the individuals conducting the survey;
9 ii. A map of the route taken by the survey;
10 iii. Stop locations and times;
11 iv. Wind direction(s) and speed(s);
12 v. Descriptions of odor and odor intensity, and
13 vi. Actions taken in response to detected odors.
- 14 h. Respondent shall maintain for three (3) years and make available to the District
15 upon request:
- 16 i. Records of all daily odor surveys; and
17 ii. Records of training in odor detection and characterization for each
18 individual employee conducting odor surveys.
- 19 11. In the event that more than one Notice of Violation for SCAQMD Rule 402 is issued to
20 the Facility during a rolling 60-day period, Respondent shall meet and confer with the
21 SCAQMD (Attn: Edwin Pupka) and propose additional measure to address any
22 determined causes of the odors.
- 23 12. Respondent shall, four months after the date of this Order and every three months
24 thereafter, submit a written status report to the Hearing Board detailing:
- 25 a. The implementation and effectiveness of odor abatement measures required by this
26 Order of Abatement;
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- 1 b. The number of complaints received by the Facility, tabulated by month and with a
2 summary of the causes of odors and measures taken to abate odors;
- 3 c. The status of studies undertaken pursuant to this Order of Abatement, including:
4 i. The status of any studies in progress;
5 ii. A summary of any completed studies submitted to the District;
6 iii. Recommended and approved measures to abate odors; and
7 iv. The schedule for implementation of each approved measure.
- 8 d. The initial status report and each quarterly status report shall also be provided to
9 the SCAQMD and posted on the Sunshine Canyon Landfill website for public
10 viewing throughout the effective dates of this Order of Abatement.
- 11 13. The Hearing Board shall retain jurisdiction over this matter until March 1, 2012, unless the
12 order is amended or modified.
- 13 14. Any submission required to be made by Respondent to any individual at the SCAQMD
14 may also be made to that person's designee. Any deadline contained in this Order for
15 Abatement that falls on a day when the SCAQMD is not open for regularly conducted
16 business shall be due on the next following day that the SCAQMD is open for regularly
17 conducted business.
- 18 15. The Hearing Board may modify the Order for Abatement including, without limitation, the
19 elements or deadlines of any required study, without the stipulation of the parties upon a
20 showing of good cause, therefore, and upon making the findings required by Health and
21 Safety Code § 42451(a) and SCAQMD Rule 806(a). Any modification of the Order shall
22 be made only at a public hearing held upon 10 days published notice and appropriate
23 written notice to Respondent.
- 24 16. This Order for Abatement is not and does not act as a variance, and Respondent is subject
25 to all rules and regulations of the SCAQMD, and with all applicable provisions of
26 California law. Nothing herein shall be deemed or construed to limit the authority of the
27 SCAQMD to issue Notices of Violation, or to seek civil penalties, criminal penalties, or
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injunctive relief, or to seek further orders for abatement, or other administrative or legal relief.

FOR THE BOARD: _____

DATED: _____