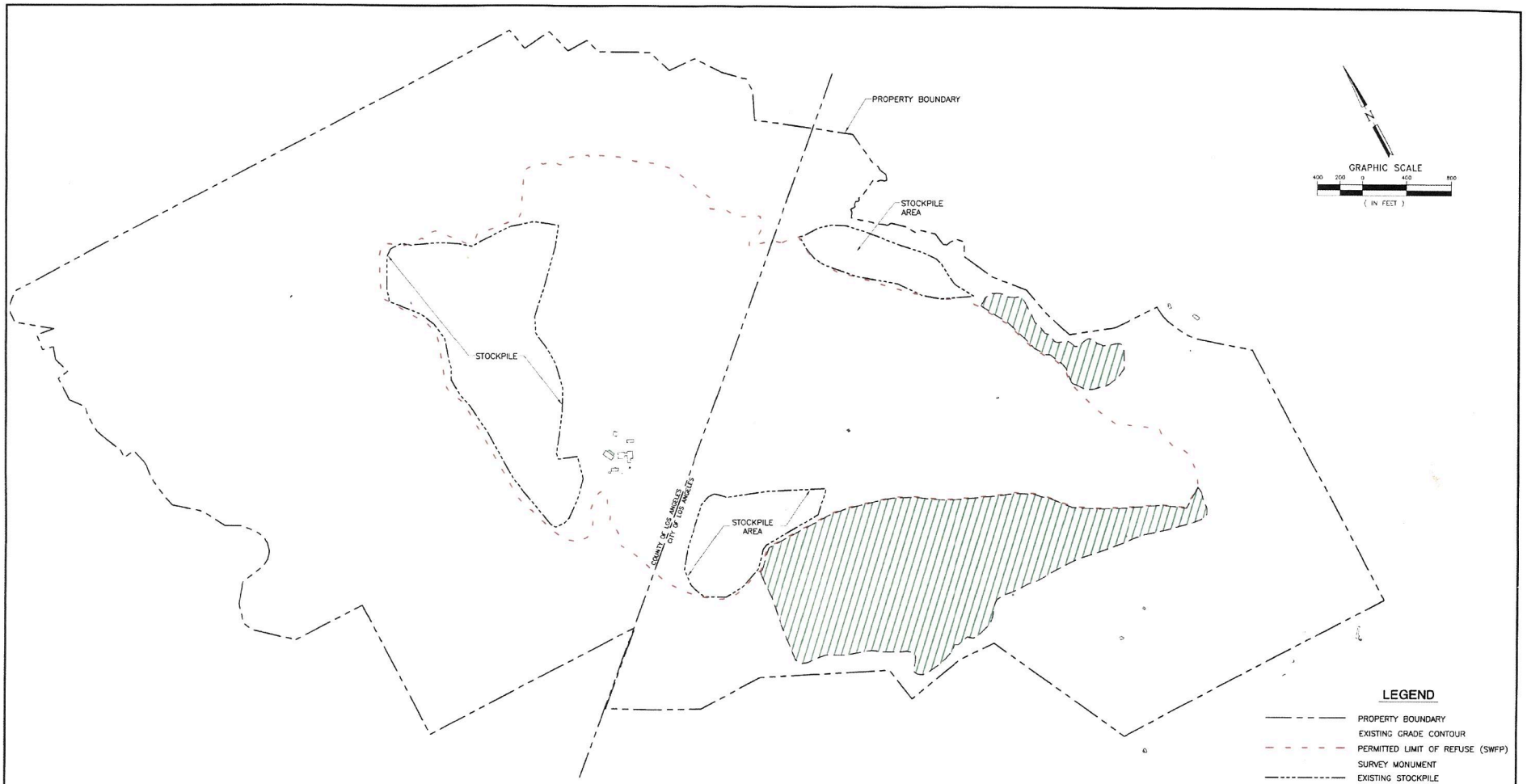
Attachment A



PERMITTED REFUSE LIMIT= 363 ACRES
PERMITTED AREA= 1,036 ACRES

AERIAL TOPOGRAPHY DATE: 02-10-12

FIGURE 2

NO.	REVISION DESCRIPTION	BY

BAS
BRYAN A. STIRRAT & ASSOCIATES
CONSULTING CIVIL & ENVIRONMENTAL ENGINEERS
1360 E. VALLEY VISTA DRIVE
DIAMOND BAR, CALIFORNIA 91765
(909) 860-7777

SUNSHINE CANYON LANDFILL JTD
EXISTING SITE PLAN

DESIGNED BY	R.M.C./J.M.B.	SCALE : AS SHOWN	
DRAWN BY	LHT	DATE : 03-2013	FILE NO.: 30-0864FIG.DWG
CHECKED BY	P.W.	DATE : 03-2013	
APPROVED BY		DATE : 03-2013	

G:\Geng\Sunshine\JTD\2013\PLAN SETS\30-0864-10.dwg

Attachment B

SUNSHINE CANYON LANDFILL

A REPUBLIC SERVICES COMPANY

October 30, 2014

Mr. Gerardo Villalobos
SCL LEA – Program Manager
Sunshine Canyon Landfill Local Enforcement Agency
5050 Commerce Avenue
Baldwin Park, CA 91706

Subject: Updated - 2014 Annual Wet Weather Preparedness Report and Winter Operations Plan
Sunshine Canyon City/County Landfill (SWFP #19-AA-2000)

Dear Mr. Villalobos,

By letter dated September 30, 2014, we transmitted the Wet Weather Preparedness Report and Winter Operations Plan for Sunshine Canyon Landfill in accordance with our Solid Waste Facility Permit (SWFP) (Permit #19-AA-2000), Conditions 16.i – k. A review of the information showed that the new CC-3A sedimentation basin was not shown on the drawings; the layer showing this improvement was inadvertently turned off when the drawing was plotted. In addition, the LEA has requested some narrative to accompany the drawings. This submittal is therefore intended to augment the prior submittal and to provide updated drawings showing the new CC-3A sedimentation basin.

The goals of the winterization improvements installed by Sunshine Canyon Landfill fall into four categories:

1. Management of sediment by means of constructed measures to minimize suspended solids in the site runoff exiting the terminal basin;
2. Erosion control measures to prevent rainfall and runoff erosion of daily and intermediate soil layers that cover active refuse fill areas with the purpose of preventing storm water contact to buried refuse. This includes grading of soil covers to prevent surface ponding and subsequent storm water infiltration into the existing refuse fill;
3. Maintenance of existing storm water control structures serving both the active and the closed refuse fill areas;
4. Expansion of the runoff control system to meet changing needs of the site due to ongoing fill operations.

<u>Sediment Management and Erosion Control – Categories 1 and 2</u>

Work that has been completed to address sediment management and erosion control include the following items:

- Installed jute netting and applied hydroseed on exposed steepened slopes adjacent to within the Phase 1 Bypass Road construction zone;
- Installed fiber rolls to provide slope protection on slope areas throughout the Phase 1 Bypass Road construction zone;
- Installed straw bale check dams in on selected slope areas in Phase 1 By-Pass Road construction zone;
- Constructed four separate temporary sediment control basins with outlet piping and overflow structures within the Phase 1 Bypass Road construction zone;
- Hydroseeded on downstream basin levee slopes in the Phase 1 Bypass Road construction zone;
- Installed silt fencing at toes of disturbed slopes throughout the active fill area;

14747 San Fernando Rd., Sylmar, CA 91342 (818) 833-6500 Office (818) 362-5484 Fax

- Track-walked slopes throughout the site to reduce slope erosion and allow establishment of seeded or native vegetation in non-active areas;
- Graded active landfill decks to prevent erosion by avoiding overly steepened swales and decks;
- Installed K-rails in channel inverts to slow flow and allow deposition of silt;
- Graded soil cover in active landfill areas to prevent surface ponding.

Maintenance and Expansion of Runoff Control Systems – Categories 3, 4

- Removal of deposited silt in site basins;
- Removal of deposited silt in Terminal Basin; removal of rock filter and replacement with new rock filter around risers; removal of old filter material and replacement with new filter material around risers;
- Graded benches to promote positive drainage;
- Cleaned channels of sediment;
- Cleaned pipes and inlets of vegetation;
- Repaired pipe joints and reset down-drains if required
- Installed temporary geosynthetic down drain channels and chutes where required on active fill area slopes;
- Installed concrete and asphalt lined channel to replace plastic lined channel along office road and temporary scale facility;
- Constructed a geosynthetic-lined storm water retention basin to provide runoff containment in the active fill area (CC-3A Sed Basin). Basin will evacuated by means of a portable pump throughout the rainfall season;
- Constructed a grated road crossing on the paved entry road to the temporary scales to separate runoff flows from vehicle traffic and provide opportunity for wheel cleaning to minimize silt track-out.

Prior to a rain event, a site inspection will be conducted to ensure that all controls remain in place and any items that need to be addressed will completed prior to a rain event. Erosion and sediment controls will be assessed after each rain event and any actions needed to repair or replace a control will be addressed.

Please do not hesitate to contact me if you have any questions at (818) 362-2075 or PCosta@Republicservices.com.

Sincerely,

Patti K. Costa

Patti K. Costa, P.E.
Environmental Manager

cc: Dave Thompson SCL LEA
Dr. Wen Yang, LARWQCB
Emiko Thompson, LA County DPW

Enclosures

Attachment C

SUNSHINE CANYON LANDFILL

October 7, 2014

Mr. Gerardo Villalobos
Program Manager
SCL LEA
5050 Commerce Drive
Baldwin Park, CA 91706

Subject: Notification of Operation of Vapor Odor Control Systems
GOC Technologies – QuikAir™ Vapor Technology
Sunshine Canyon Landfill, SWFP #19-AA-2000

Dear Mr. Villalobos,

By letter dated June 27, 2013, recommendations for odor mitigation were distributed from the Interagency Task Force assembled to research and evaluate best management practices to mitigate the potential for off-site odor migration from the landfill. One of the Task Force recommendations included the following:

> "Require the Landfill Operator to explore new industry standards, best management practices and emerging technologies to supplement odor reduction efforts at the landfill.....".

As part of our on-going efforts to address potential on-site odors that may have the potential to migrate off-site, we have researched vapor technology as an odor mitigation measure. Global Odor Control (GOC) Technologies has been working on this technology and has developed a delivery system that has been put into place at Sunshine Canyon Landfill. A description of this technology is provided in Attachment 1.

In July and August 2014, four vapor odor control systems were installed at the landfill. Two systems are located at the front entrance of the site (one on the south side of the entrance, one on the north side of the entrance), one is located on the southern berm of the City South portion of the site, and one is located along the access road to the DACOR, LLC oil field (within the site's property line). The vapor units consist of an enclosed system housing the equipment, and the associated piping to deliver the vapor.

Also attached to this letter is the Material Data Safety Sheet for the product used in the vapor systems (Attachment 2) as well as a notarized affidavit from the product developer (Attachment 3).

At this time, we consider these systems to be part of the site's overall odor management program. We will continue to assess and modify these systems as deemed necessary.

Please do not hesitate to contact me if you have any questions.

Sincerely,

Rob Sherman
General Manager
Sunshine Canyon Landfill

Cc: David Thompson, SCL LEA
Ed Pupka, SCAQMD
Ron Krall, Republic Services, Inc.
Harold Barber, Republic Services, Inc.
Michael Stewart, Republic Services, Inc.
Tom Bruen, Esq.

14747 San Fernando Rd., Sylmar, CA 91342 (818) 833-6500 Office (818) 362-5484 Fax

ATTACHMENT 1

GOC Technologies

Odor Control with QuikAir™ Vapor Technology

Odors are compounds that have volatilized – transitioned to gaseous or vapour state. That is why we can smell them. We don't actually smell liquids or solids. We smell the portions of them that make the transition into the vapor state – making them light enough to travel in the air and into our nostrils.

The QuikAir™ Vapor System releases deodorizer converted to vapor form. The deodorizer vapour moves at the same speeds and in the same direction as odorous vapors. This allows the deodorizer to stay in the air a much longer time, creating more opportunity for contact and deodorization.

The QuikAir Vapor System uses pipe to transport an air stream filled with vaporized deodorizer along or around the perimeter of any area where deodorization is desired or required. The type of pipe is determined by terrain and weather conditions.

The vapor is created by a unique system that moves air across a tank of QuikAir V deodorizer. The deodorizer is designed specifically to vaporize when subjected to air movement or minor turbulence. Heat is not used. The chemical is not "evaporated" in the normal sense of the word. The vaporizer unit contains only a motor and blower, a tank, and the vacuum system for creating the vapor and delivering it into the airstream. While some heat is created by molecular vibration at the surface of the liquid, the amount is minimal. This allows vaporization of the deodorizer without fractionation. The composition and functionality of the deodorizer is not compromised.

The ingredients in QuikAir V are carefully designed to vaporize together, retaining their integrity. This is why heat is not used. Heating any blend of volatile ingredients results in a loss of integrity because each component will have a different

evaporation rate and temperature threshold. Using heat to create vapor simply separates the deodorizer back into its component parts.

QuikAir V Deodorizer was created specifically for the process of vaporization by turbulence. It contains no propellants or alcohols, and its component parts are all approved for cosmetic use or greater by the FDA. People use most of the components of QuikAir V every day in their homes and baths.

Once pressurized, the system is calibrated to insure even distribution of vapour throughout the covered area. This is accomplished by variation in pipe and outlet sizes.

How QuikAir™ V Works

The basic chemistry used in QuikAir V is identical to that used in many ofother GOC products, including QuikAir 0900. . We start with a number of amine groups, mix them with additional parts that have specific ionic or reactive properties, and create sets of amino complexes with high reactive affinity toward certain odorous groups.

Many of these complexes are amino hydroxyl groups which will react on contact with organic acids, long chain amines, mercaptans, and many reduced sulphur compounds.* With mercaptans for example. To break up the mercaptan, we have to break the sulphur/hydrogen (SH) bond that characterizes this set of odorous compounds. This is done through a series of ionic and displacement reactions that replace the SH bond with an OH (oxygen/hydrogen) bond.

Another type of complex involves an amino group with a carbohydrate . These complexes form in many diverse molecular shapes, and react with odorous compounds whose shape allows them a "wedge" or entry point to break the compound's chemical bonds. Additionally, some of these groups adsorb odor molecules, eliminating their odor characteristics in the process.

In reality, QuikAir V is very similar to the deodorants and shampoos each of us uses. It simply performs in vapor state rather than liquid state. QuikAir V provides an environmentally and personally safe deodorization method while conserving water and energy.

*QuikAir V is not recommended for treatment of hydrogen sulfide.

Advantages of Vapor

Deodorizer is delivered in lightweight particles, similar to the weight of the odors .
No additional water is needed.
Maintenance is minimal.
The deodorizer is unobtrusive.
The vaporization system is relatively quiet, dry, and invisible.

888 **925 7175**

info@goctech.com

ATTACHMENT 2

MATERIAL SAFETY DATA SHEET

QuikAir™ V Concentrate

Issued 24-03-2014 Latest modification 17-08-2014

1. Product and Company identification

QuikAir™ V

Supplier:
GOC Technologies, 3910 W. Roll Avenue, Bloomington, IN 47403 USA
Phone: 1 812 334 2413 Fax: 1812 334 2415 E-Mail: info@goctech.com

2. Composition / Information on ingredients

* Chemical characterisation.
The formula contains:

Citric ester, grapefruit ketone, citric acid, cineole, amino acids, amine groups, saccharides (mono and poly). Other ingredients are proprietary.

* Hazardous components:

CAS-No.	Name	max.%	risk symbol	R risk sentences

This product contains no ingredients designated as "of concern", hazardous, or toxic on any Governmental list in the USA, Canada, the European Union, Australia, or New Zealand.

3. Possible risks

* Risk reference: None.

* Special risks to man and environment: None.

Note: May irritate eyes. Prolonged contact with liquid concentrate may cause dryness of skin. See section 15.

4. First aid

*	General recommendation	N/A in normal operation.
*	In case of inhalation	N/A
*	After contact with skin	Wash with fresh water. remove contaminated clothing.
*	After contact with eyes	Flush open eyes thoroughly with fresh water. Get medical attention if irritation persists.
*	If swallowed	Drink plenty milk or water. Induce vomiting Get medical attention.
*	Information for physician	None.

5. Measures in case of fire

* Suitable fire extinguishing agents: Water spray jet, carbon dioxide, dry chemical, foam depending on the environment.
* Extinguishing agents not suitable for safety reasons: N/A.
* Special risks caused by the substance or its preparation, combustion or released gases: None
* Substances that may be released during a fire: VOC'S
* Special protection equipment: Use the protection equipment that is usual for fires.
* Additional information: None.

6. Measures on unexpected release

* Personal safety measures: Normal ventilation.
* Measures to protect the environment: None required.
* Cleaning measures: Flush small amounts to drain. Collect and return large amounts to container.
* Additional information: None.

7. Handling and storage

Handling the product.

* Information on safe use of the product: Ensure proper ventilation/extraction at the storage space and workplace.
* Information on protection against fire and explosion: Not flammable.

Storage.

* Requirements for storage spaces and containers: Use containers of polyethylene (PE).
* Rules for storage together with other substances: None.
* Further information on storage conditions: Keep containers cool and properly sealed. Prevent freezing. Observe the prevailing legal and administrative regulations for storage.
* Storage class: N/A.
* VbF class: N/A.

8. Exposure controls and personal protection equipment

* Additional information on engineering measures: No additional information, also refer to section 7.
* Components with values relating to the workplace: N/A.
Personal protection equipment.
* Respiratory protection: N/A.
* Hand protection: Gloves of PVC or rubber.
* Eye protection: Safety glasses.
* Body protection: None.
* General measures for safety and hygiene: Do not smoke, eat or drink when working with the product.

9. Physical and chemical properties

State		Liquid
Colour		Translucent clear to yellow
Odour		Mild detergent odour
pH value	at 20 °C	6.8 ± 0.5
Change of state		
Melting point		- 2 °C
Boiling point		100 °C
Flash point		N/A
Ignition temperature		N/A
Explosion risk		Not explosive
Explosion limits		Upper limit: N/A
		Lower limit: N/A
Density	at 20 °C	0,97 ± 0.005 g/cm^3
Solubility in/miscibility with water		100 %

10. Stability and reactivity

*	Conditions to avoid	None.
*	Substances to avoid	Strong oxidizers such as chlorides and peroxides
*	Dangerous decomposition products	None.
*	Additional information	None.

11. Toxicological information

*	Acute toxicity	None.
*	Primary irritation	May irritate eyes. Prolonged contact with liquid concentrate may cause dryness of skin.
*	Influence on sensitivity	No known influences.
*	Further toxicological information	None.

12. Information on environmental aspects

* Information on elimination (persistence and degradability):
  The product is non-hazardous and non-toxic, completely water soluble, and completely bio-degradable.
* Behaviour in the environment: Does not increase BOD or COD in waterways.
* Aquatic poisoning risk: None.
* Further information on environmental aspects: Does not create hazardous or toxic bi-products.

13. Disposal information

* Waste disposal / product disposal: Non-hazardous, non-toxic.
* Uncleaned containers:
  Recommendation: Empty the containers completely, wash with water and make available for re-use.
* Recommended cleaning agent: Water.

14. Information on transport

* Overland transport ADR/RID:

ADR/RID class	
Numeral/letter	
Warning sign	
Risk no.	
Substance no.	
Product description	Non-hazardous fluid

* Transport by sea IMDG/GGVSee:

IMDG/GGVSee class	
UN number	
Packaging group	
EmS number	
MFAG	
Marine pollutant	No
Correct technical reference	Non-hazardous fluid
Remarks	None

* Air transport ICAO-TI and ATA:

ICAO-TI/IATA class	
Subsidiary risk	
UN/ID number	
Packaging group	
Correct technical reference	Non-hazardous fluid
Remarks	None

* Further information None

15. Regulations

* Labelling as per EEC, AU, or US directives: N/A.

* Symbol/Symbols of the product: N/A.

* R sentences: (Concentrate)
  36/38 Irritative for the eyes and skin

* S sentences: (Concentrate)
  26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  28 After contact with skin, wash immediately with plenty of water and soap.
  37/39 Wear suitable gloves and eye protection (concentrate).

* National regulations:

Remark on labour restrictions	N/A.
Emergency regulation (OSHA)	None
Classification under VbF	N/A.
Technical manual air (Ger.)	N/A.
WGK	N/A (In accordance with the mixing regulation of the administration directives for self-classification of the risk class of substances harmful to water VwVwS).
Additional information	None.

16. Further information

This Material Safety Data Sheet follows the requirements of the directive 93/112/EC. The information contained herein is correct to the best of our knowledge at the date of publication and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but it does not necessarily refer to the particular requirement of the customer when further advice should be obtained.

ATTACHMENT 3

GOC Technologies

September 19, 2014

Affidavit of Chemical Composition

I am the creator and manufacturer of the deodorization product QuikAir™ V. As such, I have complete knowledge of its ingredients in both the liquid and vapor states. The product contains only ingredients approved for cosmetic use, at a minimum. Some ingredients are approved for food usage. The combination and ratio does not change when the product is converted to vapor. Heat is not used to cause vaporization. While the vapor feels dry to the touch, it is essentially the same moisture level as water vapor, and indeed contains some water vapor to initiate the process. The vapor is composed of nitrogen, hydrogen, and oxygen (>90%), carbon (>5%), and trace minerals (<4%). There are no propellants, fragrances, or preservatives added other than the natural preservative citric acid. The only VOC content is cineole, a common component of over-the-counter nasal inhalers, and nootkatone (grapefruit ketone) which is approved for both food and cosmetic use

David A. Hill

Subscribed and sworn to
Before me this 2
Day of October, 2014

SEAL

BRIAN DAVID FURLOW
Resident of Monroe County, IN
Commission Expires: July 8, 2021

Notary Public

My commission expires July 8, 2021

Attachment D

CITY OF LOS ANGELES
CALIFORNIA

INDUSTRIAL WASTE
MANAGEMENT DIVISION
2714 MEDIA CENTER DRIVE
LOS ANGELES, CA 90065
OFFICE (323) 342-6200
FAX (323) 342-6111

September 3, 2014

SUNSHINE CANYON LANDFILL
14747 San Fernando Road
Sylmar, CA 91342

In Reply Refer to: IU128862.prm

Attn: Achaya Kelapanda, Environmental Manager

ISSUANCE OF INDUSTRIAL WASTEWATER PERMIT FOR IU128862
PERMIT: W-535428

The Bureau of Sanitation has completed a review of the permit application, an inspection of the facility, and the determination of discharge standards and conditions for SUNSHINE CANYON LANDFILL to discharge industrial wastewater to the City of Los Angeles sewer system. Enclosed, please find the Industrial Wastewater Permit covering wastewater discharged from this facility to the City of Los Angeles sewer system. SUNSHINE CANYON LANDFILL is subject to the Los Angeles Municipal Code (L.A.M.C.) Section 64.30. All discharge from this facility and actions and reports relating thereto shall be in accordance with the terms and conditions of this permit.

SUNSHINE CANYON LANDFILL shall immediately notify the Bureau of Sanitation of any changes to the facility, process, discharge flow, production, or pretreatment system that may change the characteristics which cause them to be different from those expressly allowed under the permit. In addition, SUNSHINE CANYON LANDFILL shall notify the Bureau of its intent to close business, become a zero discharger or change ownership.

If there are any questions regarding these permit conditions, please contact Sunny Owairu, Chief Environmental Compliance Inspector I of my staff at (323) 342-6044.

Sincerely,

ENRIQUE C. ZALDIVAR, Director
Bureau of Sanitation

By

Michael Simpson, Acting Division Manager
Industrial Waste Management Division

Cc: Bellete Yohannes, Chief Environmental Compliance Inspector II
LIU Permit File

INDUSTRIAL USER
PERMIT REQUIREMENTS AND CONDITIONS

Legal Name: BROWNING-FERRIS INDUSTRIES OF CALIF., INC.
dba Name: SUNSHINE CANYON LANDFILL
Industrial User No: IU128862

INDUSTRIAL WASTEWATER PERMIT NO.
W-535428

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF SANITATION

INDUSTRIAL WASTE MANAGEMENT DIVISION
2714 MEDIA CENTER DRIVE
LOS ANGELES, CA 90065
(323) 342-6200

INDUSTRIAL WASTEWATER PERMIT

INDUSTRIAL USER NO:	IU128862
PERMIT NO:	W-535428
EFFECTIVE DATE:	09/01/2014
AMENDED DATE:	NA
EXPIRATION DATE:	NA

LEGAL BUSINESS NAME:	BROWNING-FERRIS INDUSTRIES OF CALIF.,INC.
DOING BUSINESS AS:	SUNSHINE CANYON LANDFILL
MAILING ADDRESS:	14747 San Fernando Road Sylmar, CA 91342
LOCATION ADDRESS:	14747 San Fernando Road Sylmar, CA 91342
CATEGORY:	LOCAL INDUSTRIAL USER
POINT OF DISCHARGE:	Public Sewer

In accordance with the provisions of the Los Angeles Municipal Code (L.A.M.C.) Section 64.30, the above identified industrial user is hereby authorized to discharge industrial wastewater through the approved point of discharge identified herein in accordance with the discharge limitations, conditions, and requirements set forth in this permit and the L.A.M.C. Compliance with this permit does not relieve the industrial user of its obligation to comply with all pretreatment regulations, standards or requirements under local, State and Federal laws, including any such laws, regulations, standards or requirements that may become effective during the term of this permit.

The industrial user must comply with the provisions of L.A.M.C. Section 64.30 and all terms and conditions of this permit. Noncompliance with the terms and conditions of this permit shall constitute a violation of the L.A.M.C. Section 64.30 and may subject the industrial user to administrative actions or other legal proceedings. This permit becomes void upon any change of ownership or location whatsoever.

Enrique C. Zaldivar, Director
Bureau of Sanitation

BY: _____

TABLE OF CONTENTS

PART 1 - DISCHARGE LIMITATIONS

CITY OF LOS ANGELES
BUREAU OF SANITATION

LOCAL DISCHARGE LIMITATIONS

In accordance with L.A.M.C. Section 64.30, wastewaters introduced into the City of Los Angeles sewer system or approved point of discharge shall not exceed the following limitations:

Constituent	Units	Instantaneous Maximum
Arsenic, Total	mg/l	3.00
Cadmium, Total	mg/l	15.00
Chromium, Total	mg/l	10.00
Copper, Total	mg/l	15.00
Cyanide (Free)	mg/l	2.00
Cyanide (Total)	mg/l	10.00
Dissolved Sulfides	mg/l	0.10
Lead, Total	mg/l	5.00
Nickel, Total	mg/l	12.00
Oil & Grease (Total)	mg/l	600.00
pH	SU	< 5.50
pH	SU	> 11.00
Silver, Total	mg/l	5.00
Temperature - Liquid	Deg F	140.00
Zinc, Total	mg/l	25.00

The above limitations shall not apply where more restrictive limitations are imposed by permit or other National Categorical Pretreatment Standards.

In accordance with L.A.M.C. Section 64.30 B.1. - Discharge Prohibitions, no person shall discharge specific prohibited pollutants or materials except as expressly allowed in an Industrial Wastewater Permit (See Part 6.A.1 of this permit - General Prohibitive Standards).

PART 2 – FACILITY INFORMATION

The industrial user shall give notice to the Bureau for any increase in discharge flow and pay the applicable **Sewer Facilities Charge** if the increase in flow volume to the sewer exceeds the facility's purchased sewer capacity.

PART 3 - MONITORING REQUIREMENTS

See Special Conditions

PART 4 - REPORTING REQUIREMENTS

Not Applicable

PART 5 - SPECIAL CONDITIONS

Not Applicable

PART 6 – STANDARD CONDITIONS

A. Prohibitions

1. General Prohibitive Standards

The industrial user shall comply with all the general prohibitive discharge standards in the General Pretreatment Regulations, 40 CFR 403, and the L.A.M.C. Section 64.30. Except as expressly allowed in this Industrial Wastewater Permit, the industrial user shall not discharge wastewater to the POTW that contains any of the following:

a) Gasoline, mercury, total identifiable chlorinated hydrocarbons, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, solvents, pesticides or jet fuel;

b) Petroleum oil, nonbiodegradable cutting oil or products of mineral oil origin in amounts that will cause interference or pass through.

c) Liquids, solids or gases which by reason of their nature or quantity are flammable, reactive, explosive, corrosive or radioactive or by interaction with other materials could result in fire, explosion or injury. This includes, but is not limited to, wastestreams with a closed cup flash point of less than 140°F or 60°C using the test methods specified in 40 CFR 261.21.

d) Solid or viscous materials which could cause obstruction to the flow or operation of the POTW;

e) Toxic pollutants in sufficient quantity to injure or interfere with any wastewater treatment process, to constitute a hazard or cause injury to human, animal, plant or fish life or to exceed any limitation set forth in this Section;

f) Noxious or malodorous liquids, gases or solids in sufficient quantity, either singly or by interaction with other materials, to create a public nuisance, hazard to life or to prevent entry of any person to the POTW;

g) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems;

h) Material of sufficient quantity to interfere with any POTW treatment plant process or to render any product thereof unsuitable for reclamation and reuse;

i) Material of sufficient quantity to cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations in connection with Section 405 of the Act, the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act, the Marine Protection, Research, and Sanctuaries Act or State criteria applicable to the sludge management method being used;

j) Material which will cause the POTW to violate its NPDES Permit, applicable Federal and/or State statutes, rules or regulations;

k) Pigment which is not removed in the treatment process;

l) A heat content in such quantities that the temperature of the wastewater at the introduction into the POTW collection system exceeds 140°F or at the introduction into the POTW treatment plant exceeds 104°F;

m) Pollutants, including oxygen demanding pollutants, released at a flow rate or pollutant concentration which will cause or contribute to interference;

n) Storm water collected and discharged to the POTW;

o) Single pass cooling water in excess of 200 gallons per day discharged to the POTW;

p) Materials which constitute a hazard or causes injury to human, animal, plant or fish life or creates a public nuisance;

q) Recognizable portions of the human or animal anatomy;

r) Floatable material which is readily removable;

s) Medical or infectious wastes;

t) Radioactive wastes or isotopes;

u) Garbage, food, market wastes or food plant wastes that have not been ground by household type or other suitable garbage grinders;

v) Sharps; or

w) Any trucked or hauled pollutants, except at discharge points designated by the City.

B. Permit Provisions

1. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

2. Duty to Comply

The industrial user must comply with the provisions of L.A.M.C. 64.30 and all conditions of this permit. Failure to comply with the requirements of this permit may be grounds for administrative action or enforcement proceedings, including civil or criminal penalties, injunctive relief and summary abatements.

3. Duty to Mitigate

The industrial user shall take all reasonable steps to minimize or correct any adverse impact to the public treatment plant or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

4. Modification or Revision of the Permit

This permit may be modified, revoked and reissued or terminated for good causes including, but not limited to, the following:

a) The incorporation of any new or revised Federal, State or Local pretreatment standards or requirements;

b) Material or substantial alterations or additions to the discharger's operational processes or discharge volume or character which were not covered in the effective permit;

c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge;

d) Information indicating that the permitted discharge poses a threat to the City of Los Angeles' collection and treatment systems, POTW personnel or the receiving waters;

e) A violation of any terms or conditions of this permit;

f) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;

g) A revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13.

h) A request of the industrial user, provided such request does not create a violation of any existing applicable requirements, standards, laws or rules and regulations; or

i) A correction of typographical or other errors in the permit.

5. Property Rights

The issuance of this permit does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor does it authorize any violation of Federal, State or Local laws or regulations.

6. Limitation of Permit Transfer

An Industrial Wastewater Permit shall not be transferable by operation of law or otherwise, either from one location to another or from one person to another. Statutory mergers or name changes shall not constitute a transfer or a change in ownership.

7. Duty to Reapply

To continue an activity regulated by this permit after the expiration date, the industrial user must file an application for permit renewal at least 90 days before the expiration date of this permit.

8. Dilution

The industrial user shall not increase the use of potable or process water or, in any way, attempt to dilute an effluent as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

9. Compliance with Applicable Pretreatment Standards and Requirements

The industrial user shall comply at all times with any and all applicable Local, State and Federal pretreatment standards and requirements including any such standards or requirements that may become effective during the term of this permit. In addition, the industrial user may be required to prepare a pollution prevention plan.

10. Confidentiality

a) Any information, except for discharge and effluent data, submitted to the City pursuant to this Section may be claimed by the discharger to be confidential. Any such claim must be asserted at the time of submission of the information or data to the City. The claim may be asserted by stamping the words "Confidential Business Information" on each page containing such information or by other means; however, if no claim is asserted at the time of submission, the City may make the information available to the public without further notice. If such a claim is asserted, the information will be treated in accordance with the procedures set forth in 40 CFR Part 2 (Public Information).

b) Information and data provided to the City which is effluent data shall be available to the public without restriction.

C. Operation and Maintenance of Pollution Controls

1. Proper Operation and Maintenance

The industrial user shall at all times properly operate and maintain all facilities and systems for treatment and control (and related appurtenances) which are installed or used by the industrial user to achieve compliance with the conditions of this permit. Proper operation and maintenance includes but is not limited to effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

2. Duty to Halt or Reduce Activity

Upon reduction of efficiency of operation or loss or failure of all or part of the pretreatment facility, the industrial user shall, to the extent necessary to maintain compliance with its permit, control its production or discharge (or both) until operation of the pretreatment facility is restored or an alternative method of

pretreatment is provided. This requirement applies, for example, when the primary source of power of the pretreatment facility fails or is reduced. It shall not be a defense for a industrial user in an enforcement action to state that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. Removed Substances

Solids, sludge, filter backwash or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

4. Bypass of Treatment Facilities

a) Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury or severe property damage or no feasible alternatives exist.

b) The industrial user may allow bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation.

c) Notification of bypass:

(1) Anticipated bypass. If the industrial user knows in advance of the need for a bypass, written notice shall be submitted to the Director at least ten days prior to the anticipated date of bypass.

(2) Unanticipated bypass. The industrial user shall provide oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the Director at (323) 342-6200 within 24 hours from the time the industrial user becomes aware of the bypass. A written notice shall also be provided within 5 days of the time the industrial user becomes aware of the bypass. The written notice shall contain the following:

(i) A description of the bypass including its cause and duration;

(ii) Whether the bypass has been corrected; and

(iii) The steps taken or to be taken to reduce, eliminate and prevent reoccurrence of bypassing.

D. Monitoring and Records

1. Flow Measurements

If flow measurement is required by this permit, the appropriate flow measurement devices and methods consistent with approved scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharge. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than 5 percent from true discharge rates throughout the range of expected discharge volumes.

2. Inspection and Entry

The industrial user shall allow the Director or an authorized representative, upon the presentation of credentials and other documents, entry to and inspection of the premises. The applicant, by accepting any permit issued pursuant to L.A.M.C. Section 64.30, does hereby consent and agree to the entry upon the premises, described in the permit, by Department personnel for the following purposes as required by this permit or L.A.M.C Section 64.30 or other applicable laws. The City shall be afforded access at all reasonable times:

a) for the purposes of inspection, sampling, flow measurement, examination of records in the performance of other authorized duties;

b) to set up on the discharger's property such devices as are necessary to conduct sampling inspections, compliance monitoring, flow measuring or metering operations;

c) to inspect and copy any records, reports, test results or other information required to carry out the provisions of L.A.M.C. Section 64.30, the industrial wastewater permit, or other applicable laws; and

d) to photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

The applicant, by accepting any permit issued, does hereby consent and agree to entry upon the premises as described herein. Any person violating this authority shall be guilty of a misdemeanor.

3. Retention of Records

a) The industrial user shall retain records of all monitoring information, including all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the City of Los Angeles at any time.

b) All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the City of Los Angeles shall be retained and preserved by the industrial user until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

4. Record Contents

Records of sampling and analyses shall include the following:

a) the date, exact place, time and methods of sampling or measurement, and sample preservation techniques or procedures;

b) Who performed the sampling or measurements;

c) The date(s) analyses were performed;

d) Who performed the analyses;

e) The analytical techniques or methods used; and

f) The results of such analyses.

5. Falsifying Information

No person shall knowingly make any false statement, representation or certification in any application, record, report, plan or other document filed with the City of Los Angeles. In addition, no person shall tamper with or knowingly render inaccurate any monitoring device required under this permit.

The reports and other documents required to be submitted or maintained under this Industrial Wastewater Permit shall be subject to:

a) The provisions of 18 U.S.C. Section 1001 relating to fraud and false statements;

b) The provisions of Section 309 (c) (4) of the Clean Water Act (CWA), as amended, governing false statements, representation or certification; and

c) The provisions of Section 309 (c) (6) of the Clean Water Act (CWA), as amended, regarding responsible corporate officers.

E. Additional Reporting Requirements

1. Notification of Planned Changes

The industrial user shall immediately notify the Director in advance of any substantial change to the industrial user's operations or system which might alter the nature, quality, or volume of its wastewater

including the listed or characteristic hazardous wastes for which the industrial user had submitted initial notification under 40 CFR 403.12(p). The Director may require that a new industrial Wastewater Permit application be filed and a new permit obtained before any planned changes take place.

2. Duty to Provide Information

The industrial user shall furnish to the Director any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing or terminating this permit. The industrial user shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

3. Slug/Accidental Discharge Notification

The industrial user shall notify the Director immediately or within one hour upon the occurrence of an accidental discharge of substances prohibited by L.A.M.C. Section 64.30 or any slug loads or spills that may enter the public sewer. The Director shall be notified by telephone at (323) 342-6200. The notification shall include location of discharge, date and time thereof, type of waste, including concentration and volume, and corrective action taken. The industrial user's notification of accidental cases in accordance with this section does not relieve it of other reporting requirements that arise under Local, State or Federal laws.

Within five (5) days following an accidental discharge, the industrial user shall submit to the Director a detailed written report. The report shall contain the following:

a) A description and cause of the slug or accidental discharge, the cause(s) thereof and the impact on the industrial user's compliance status. The description should also include the location of discharge and the type, concentration and volume of waste.

b) The duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonably expected to occur.

c) All steps taken or to be taken to reduce, eliminate and prevent recurrence of such a slug discharge, accidental discharge or any other conditions of noncompliance.

4. Operating Upsets

Any industrial user that experiences an upset in operations that places the industrial user in a temporary state of noncompliance with the provisions of either this permit or with L.A.M.C. Section 64.30 shall inform the Director within 24 hours of becoming aware of the upset at (323) 342-6200.

A written follow-up report of the upset shall be filed by the industrial user with the Director within five (5) days. The report shall contain the following information:

a) A description of the upset, the cause(s) thereof and the upset's impact on the industrial user's compliance status;

b) The duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonably expected to occur; and

c) All steps taken or to be taken to reduce, eliminate and prevent recurrence of such an upset or other conditions of noncompliance.

The report must also demonstrate that the treatment facility was being operated in a prudent and workmanlike manner.

A documented and verified operating upset shall be an affirmative defense to any enforcement action brought against the industrial user for violations attributable to the upset event.

5. Slug Discharge Control Plan

Upon request by the Bureau of Sanitation, the industrial user is required to submit a Slug Discharge Control Plan to address how the industrial user will respond to spills, bypass, and any accidental discharges that could violate any permit limits or conditions or impact the City sewer system. The plan

shall contain detailed procedures to be followed by the industrial user in the event a slug discharge occurs. The Slug Discharge Control Plan must contain, at a minimum, the following:

a) Description of sewer discharge practices, including nonroutine batch discharges;

b) Description of stored chemicals including type and characteristic, volume, and chemical hazard classification;

c) Procedures for promptly notifying the City of slug discharges, including any discharges that would violate a prohibition under 40 CFR 408.5(b), with procedures for follow-up written notification within five days;

d) Any necessary procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operation, control of plant site run-off and worker training;

e) Any necessary measures for building any containment structures or equipment; and/or

f) Any necessary measures for controlling toxic organics (including solvents);

g) Procedures and equipment for emergency response.

6. Notification of Hazardous Waste Discharged into POTW

Industrial users not exempt from the requirements under 40 CFR 403.12(p) shall notify the City of Los Angeles, Bureau of Sanitation; the EPA Region 9, Hazardous Waste Management Division; and the California Environmental Protection Agency, Department of Toxic Substances Control in writing of any discharge into the City of Los Angeles sewer system of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. The written notification shall be submitted to the City of Los Angeles Bureau of Sanitation, the EPA Region 9 and the California Environmental Protection Agency.

7. Signatory Requirements

All applications, reports or information submitted to the Director must contain the following certification statement and be signed by an authorized representative indicated below:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

An authorized representative shall mean the following:

A president, secretary, treasurer or vice-president of the corporation in charge of a principal business function or any other person who performs similar policy or decision making functions for the corporation;

a) The manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.