Appendix F
Methane Mitigation Plan
METHANE MITIGATION PLAN

I. PURPOSE
This Methane Hazard Mitigation Standard Plan provides the details necessary for the implementation of the Methane Hazard Mitigation Standard Plan (Form 1, Table 1A) of the Los Angeles Building Code. The intent of the Mitigation Standard Plan is described in the Plan to prevent the entry of flammable gases by select appropriate procedures maintained in accordance with the Los Angeles Building Code. These procedures will be adopted by the Los Angeles Building Code.

II. GENERAL REQUIREMENTS
A. Owners shall be responsible for the implementation of this Mitigation Plan and must ensure that all work is performed in accordance with the Los Angeles Building Code. The Los Angeles Building Code requires the installation of a Methane Mitigation System to prevent the entry of flammable gases into the building. The Mitigation Plan must be reviewed and approved by the Los Angeles Building Code Enforcement Division.

III. GENERAL REQUIREMENTS
CODES: All work was performed in compliance with the current version of the Los Angeles Building Code, any applicable County, State, and Federal Codes.

IV. NOTIFICATION PLACARD
A permanent notification placard is required to indicate the presence of the Impervious Membrane. The notification placard shall be located at the entrance to the building and shall remain uncovered and in a conspicuous location. The lettering shall be legible from 10 feet away and at least 1 inch high.

V. Specifications
Sub-Slab Vent System
A passive vent system can be used for the project and shall consist of perforated/horizontal pipes, impervious membrane, gravel blanket, and a minimum 6-inch radius and a minimum thickness of 4 inches for the entire structure.

a. Perforated Horizontal Pipe
Perforated Horizontal Pipes shall be installed as shown in Table 1A of the LADBS Standard Plan. Perforated Horizontal Pipes shall be as follows:
• Spacing and locations of Perforated Horizontal Pipes shall be as shown in Table 1A.
• Pipes used only in the horizontal position shall be in the horizontal position.
• Perforated Horizontal Pipes, which may be subject to damage, shall be enclosed in a plastic or polyethylene pipe before installation.

b. Gravel Blanket
The thickness of the gravel blanket under impervious membrane shall be per Table 1A of the LADBS Standard Plan. The composition of gravel shall be washed gravel or similar material with a minimum of 2 inches in size. The gravel blanket shall be installed before the Impervious Membrane.

c. Vent Risers
Vent Risers shall be connected to Perforated Horizontal Pipes and shall be located as shown in Table 1A of the LADBS Standard Plan. The height of the Vent Risers shall be at least 12 feet above the highest point of the Impervious Membrane.

d. Impervious Membrane
Impervious Membrane shall be a product approved by the LADBS Engineering Research Section with a valid Los Angeles Building Code. The completed Form 3 shall be given to the inspector prior to placement of parts or the whole concrete floor slab.

VI. Seals at Impervious Membrane Penetrations
Where footings, plumbing pipes, electrical conduits and other materials penetrate the Impervious Membrane, a gas tight seal shall be provided where the Impervious Membrane is attached to all interior footings.

VII. Mitigation Requirements
Table 1A - Mitigation Requirements for Methane Zone

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Sub-Slab Vent System</td>
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<tr>
<td>Perforated Horizontal Pipe</td>
<td>As per Table 1A of the LADBS Standard Plan</td>
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<tr>
<td>Gravel Blanket</td>
<td>As per Table 1A of the LADBS Standard Plan</td>
</tr>
<tr>
<td>Vent Risers</td>
<td>As per Table 1A of the LADBS Standard Plan</td>
</tr>
<tr>
<td>Impervious Membrane</td>
<td>As per Table 1A of the LADBS Standard Plan</td>
</tr>
</tbody>
</table>

VIII. Inspection
Inspection shall be performed by the Building Official prior to the issuance of a final inspection. The Building Official shall be notified of the completion of the Mitigation Plan by the owner or contractor.

IX. Certification
The owner or contractor shall certify in writing that the Mitigation Plan has been completed in accordance with the Los Angeles Building Code. The completed Form 3 shall be given to the inspector prior to placement of parts or the whole concrete floor slab.

X. Compliance
The owner or contractor shall ensure that all work is performed in accordance with the Los Angeles Building Code. The Building Official shall be notified of the completion of the Mitigation Plan by the owner or contractor.
METHANE MITIGATION PLAN

Slab-on-Grade, Single Story, Nonresidential Narrow Structure

Site Address: 2484 Olympic Blvd, Los Angeles CADescription of Gas Analysis Instrument(s):

- Instrument Name and Model: Landtech GM 2000, AK-4, Barometer, Dwyer 477, FID
- Instrument Accuracy: +5 ppm

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<th>Pressure (mm Hg)</th>
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Atmospheric Pressure: 759.5 mm Hg

Date: 10/9/2015

Amir Rouhani
1758 Paseo Del Lago, #2E
Laguna Woods, CA 92637
**METHANE MITIGATION PLAN**

**Site: Single Story, Narrow Structure**

**Recycling and Modernization Project**

**Los Angeles Recycling Plant 1**

2484 E. Olympic Boulevard
Los Angeles, California 90021

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**Form 3 - Impermeable Membrane Installation Certificate**

*After installation of the impermeable membrane, a copy of this certificate shall be given to the Building Inspector.*

**Building Address:**

**Legal Description:**

**Street:**

**Lot:**

**Building Name:**

**Name:**

**Address:**

**Telephone:**

I hereby certify that I have inspected the installation and reviewed the test results of the impermeable membrane system at the above described property. On the basis of these inspections and tests it is my conclusion that the impermeable membrane system was installed in conformity with the recommendations of the manufacturer and the requirements of this Standard Plan. Where the inspection and testing of all or part of the work above is designed, full responsibility shall be assumed by the Certified Installer whose signature is affixed hereto.

**Signed:**

**Date:**

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As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate against persons with disabilities. All applicants for new, construction, and rehabilitation assistance and recipients of assistance under Title II of the Americans with Disabilities Act are hereby notified that the City of Los Angeles will abide by the requirements of Title II of the Americans with Disabilities Act and will not discriminate against such persons.

METHANE MITIGATION PLAN

Slab-on-Grade, Single Story, Narrow Structure

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**Date:**

**Revision:**

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