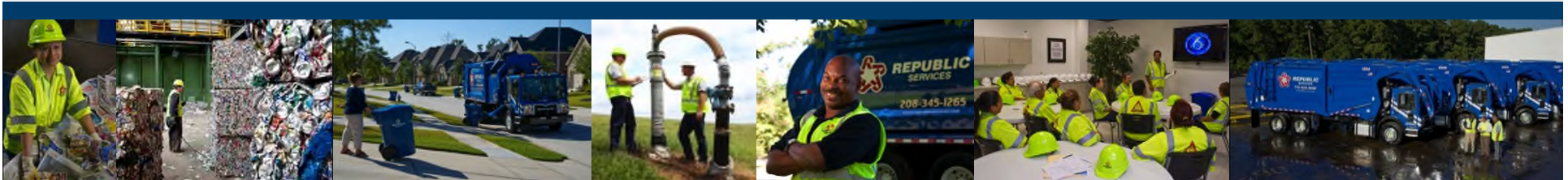




## Republic Services – Otay Landfill, Inc.

# California Air Resources Board & CalRecycle

August 6, 2014



# Otay Landfill Liner System



Otay's East Cell 5M CY of  
Soil Excavated

25 Acres of Composite Liner  
Installed

## Otay Landfill, Inc.



### Air Quality Issues

40 CFR Part 60 [www](http://www.epa.gov)

NSPS

San Diego County APCD

Rule 59

CCR Title 27

AB 32 LMR Title 17

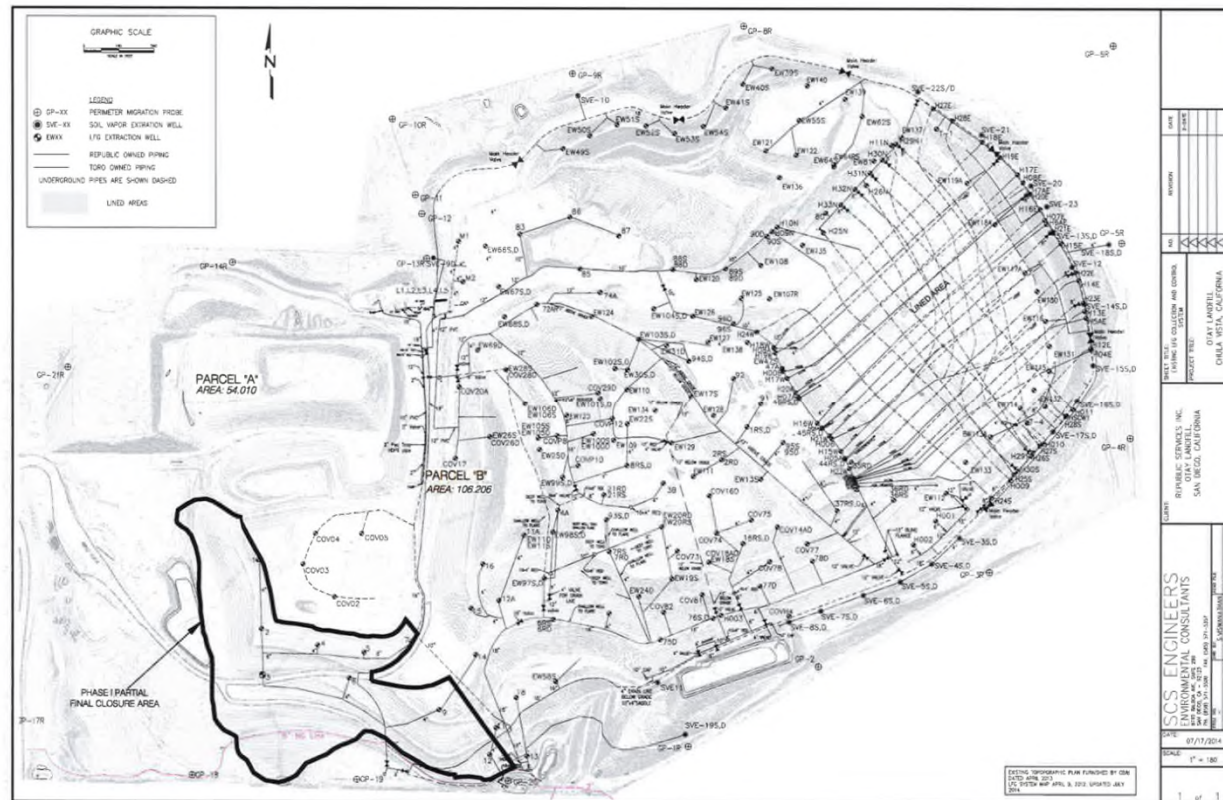
### Solid Waste Facility Permit Number 37-AA-0010

410 Acres - 230 Acres of Landfill  
5,830 Tons per Day

60M CY of Capacity Total  
24M CY of Capacity Remaining



# Gas Collection & Monitoring System



## 297 Gas Wells

40,000 LF of  
Horizontal  
Collection Lines

## 21 Perimeter Monitoring Probes

## Gas Collection and Flare Station



2 Landfill Gas Flares  
Total Capacity ~7,000 SCFM



~300 Gas Wells



# Otay Renewable Energy Facility

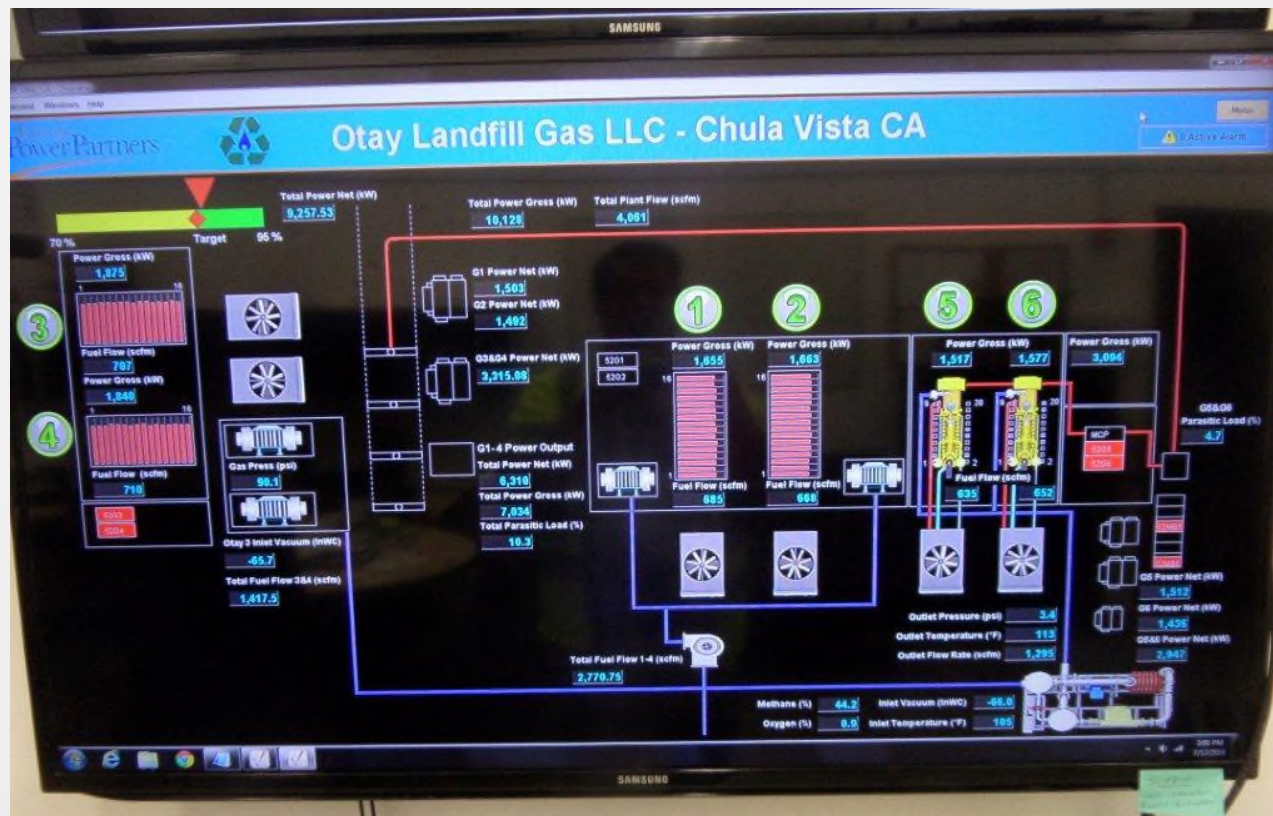


6 IC Engines

10MW  
Capacity

Combustion  
of ~4,000  
SCFM

# Otay Renewable Energy Facility



## Control Screen for Gas System

10.1MW @  
4,051 SCFM

44.2% CH<sub>4</sub>



# Otay Renewable Energy Facility



Control Screen  
for Flare System

1,683 SCFM

1625° F



# Surface Emission Testing



## 2<sup>nd</sup> QTR 2014 Integrated Surface Sampling

209 Individual Grids  
(50,000 FT<sup>2</sup>)

*June 26<sup>th</sup>*  
12/209 Exceeded 25 ppm

*July 3<sup>rd</sup> (2<sup>nd</sup> Reading)*  
Only 6 Grids Exceeded 25 ppm  
(26-42 ppm)

Where are the Estimated Emissions?