SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Title V Permit Summary

SCAQMD Facility ID: 003513	Company Name: IRVINE RANCH WATER DISTRICT		
Equipment Location: 3512 MICHELSON DRIVE, IRVINE, CA 92612			SIC Code: 4952
Permit Revision #: 0	Revision Date: TBD	Facility Permit Section(s) Affected: A - K, APP. A & B	
Application #(s): 563444	Application Submittal Date(s): 4/03/2014		
SCAQMD Contact Person: Angela Shibata	Phone #: (909) 396-2737	E-Mail Address: ashibata@aqmd.gov	

Project Description: This facility operates a sewage treatment plant and associated equipment. The facility is applying for an Initial Title V permit and a proposed biosolids project and is currently permitted to expand operations to include anaerobic digestion to produce digester gas, which will be used in the proposed boilers, dryer, and microturbines of the proposed biosolids drying project. The proposed project will produce marketable Class A biosolids pellets and produce electricity with five microturbines. The facility currently operates five emergency internal combustion engines for electrical generation, two non-emergency internal combustion engines driving electrical generators, two non-emergency internal combustion engines driving water pumps, an anaerobic sewage treatment plant, an odor control unit, a gasoline service storage and dispensing facility, a plasma arc cutter with control equipment, and a methanol storage tank at this facility.

Permit Type: ☒ Initial Title V Permit ☐ Significant Revision ☐ Permit Renewal

Permit Features:
- ☐ Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements
- ☐ Permit Shield Applies
- ☐ Permit Contains Conditions Allowing Emission Trading
- ☐ Alternative Operating Scenario
- ☐ Permit Streamlines Overlapping or Outdated Requirements
- ☐ Other: _____
- ☐ Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance

Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2013

☐ No TACs Reported
☒ The Following TACs Were Reported:

TACs	Emissions (lbs/yr):	TACs	Emissions (lbs/yr):
Ammonia	243.479	Carbon tetrachloride	0.076
Formaldehyde	99.347	Lead (inorganic)	0.050
Benzene	22.318	Ethylene dichloride	0.048
1,3-Butadiene	4.202	Vinyl chloride	0.031
Naphthalene	0.541	Nickel	0.023
PAHs	0.222	Arsenic	0.009
Methylene chloride	0.178	Cadmium	0.009
Ethylene dibromide	0.092	Chromium (VI)	0.000

Health Risk From Toxic Air Contaminants:
- ☐ Health Risk Assessment Required for this Permit Action (SCAQMD Rule 1401)
- ☐ Health Risk Reduction Plan Approved (SCAQMD Rule 1402) (Year): _____
- ☒ Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588)
  - ☐ Facility Determined to be Exempt from AB2588 Requirements
  - ☒ SCAQMD is Tracking Status of Facility under AB2588
  - ☐ Health Risk Assessment Submittal Pending
  - ☐ Health Risk Assessment Submitted to SCAQMD and Is Being Reviewed
  - ☐ Final Facility Health Risk Approved (date) _____
    - Cancer Risk = _____
    - Acute Hazard Index = _____
    - Chronic Hazard Index =

Criteria Pollutant Emissions Annual Reported Emissions (tons/year) for Reporting Year: 2013						
☒ NOx	1.602	☒ CO	1.020	☒ VOC	2.184	
☒ PM	0.162	☒ SOx	0.004	☐ Other:		

Compliance History:
- ☐ Citizen Complaints Filed in Last Two Calendar Years (# 0)
- ☐ Notices to Comply Issued in Last Two Calendar Years (# 0)
- ☐ Notices of Violation Issued in Last Two Calendar Years (# 0)

Comments: This is for an existing facility which is now required to obtain a Title V permit based on their potential emissions. The Title V permit will include this facility's existing permits and the proposed permits for the biosolids drying operation (sewage sludge dryer, regenerative thermal oxidizer, odor control system, five microturbines, two boilers, one flare, one emergency internal combustion engine for electrical generation, modification to two existing non-emergency internal combustion engines driving electrical generators, modification to a plasma arc cutter and its dust collector air pollution control system).