Docket Number:	13-AFC-01
Project Title:	Alamitos Energy Center
TN #:	212493
Document Title:	Verification of the Public Notice Distribution for the Alamitos Energy Center Project
Description:	N/A
Filer:	Cindy Salazar
Organization:	CH2M HILL
Submitter Role:	Applicant Consultant
Submission Date:	7/28/2016 2:15:38 PM
Docketed Date:	7/28/2016



July 28, 2016

Ms. Vicky Lee

Senior Air Quality Engineering Manager South Coast Air Quality Management District 21865 Copley Drive Diamond Bar, CA 91765-4178

Subject: Verification of the Public Notice Distribution for the Alamitos Energy Center Project Permit Application (Facility ID# 115394)

Dear Ms. Lee:

Pursuant to the letter dated June 30, 2016 from Mr. Andrew Lee of the South Coast Air Quality Management District (SCAQMD) to Mr. Stephen O'Kane of AES Southland (AES) regarding AES's Alamitos Energy Center Project's air permit (Facility ID 115394), this letter provides verification that the AQMD's public notice has been mailed to all addresses within one-quarter mile of the outer boundary of the facility (July 12, 2016) and the students of the Rosie the Riveter Charter High School (July 12, 2016) and the Kettering Elementary School (July 25, 2016).

Addresses for the addresses within ¼ mile of the outer boundary of the facility were identified using ArcMap 10.3 geocoding tools. The Rosie the Riveter Charter High School provided the addresses for the students attending the school directly to AES and AES mailed dated public notices directly to the parents/guardians of the students. The Long Beach Unified School District (LBUSD) requested AES use a mailing vendor the LBUSD uses for distributing public notices. The LBUSD provided the Kettering Elementary School student's address to the mailing vendor and AES provided sealed envelopes with the dated public notice to the vendor. The mailing vendor then applied the addresses and postage to the envelopes and posted the envelopes. Attachment 1 presents a map of the area where the public notices were mailed, the dated public notices for each of the three mailings, the mailing addresses, and proof of mailing.

If you require further information, please don't hesitate contacting me at 562-493-7840.

Sincerely,

Stephen O'Kane Manager AES Alamitos, LLC

cc: Jeffrey Harris/ESH Jerry Salamy/CH2M Keith Winstead/CEC

Attachment 1

Addresses within one-quarter mile



Legen	d			
	Quarter Mile Buffer		Proposed New Process/	
	AGS Boundary Sanitary Wastewater Pipeline to First P		Sanitary Wastewater Pipeline to First Point of Interconnection	
	AEC Site			1
	Parking/Laydown Construction Area			
[]]],	Natural Gas Metering Station			
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FIGURE 1 Quarter Mile Buffer of Alamitos Generating Station Alamitos Energy Center Long Beach, California

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South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178 (909) 396-2000 • www.aqmd.gov

NOTICE OF INTENT TO ISSUE PERMITS PURSUANT TO SCAQMD RULES 212 (STANDARDS FOR APPROVING PERMITS), 1710 (PSD ANALYSIS, NOTICE, AND REPORTING), 1714 (PSD GREENHOUSE GASES) AND 3006 (TITLE V)

This notice is to inform you that the South Coast Air Quality Management District (SCAQMD) has received permit applications from AES Alamitos, LLC for the Alamitos Energy Center (AEC) which will consist of the replacement of four existing older and less efficient large electric generating utility boilers with six new state of the art and more efficient electric generating gas turbines at Alamitos Generating Station in Long Beach. After a careful review and a detailed evaluation of the AEC, SCAQMD has determined that the proposed project complies with all applicable federal, state and local air quality rules and regulations. Therefore, SCAQMD intends to issue Permits to Construct for the AEC and to revise the Title V permit for this facility. However, prior to issuance of the final Title V permit, SCAQMD is providing an opportunity for public comments on the SCAQMD's proposed decision.

The SCAQMD is the air pollution control agency for the four-county region including all of Orange County and non-desert parts of Los Angeles, Riverside and San Bernardino Counties. Anyone wishing to install or modify equipment that could control or be a source of air pollution within this region must first obtain a permit from the SCAQMD. Under certain circumstances, before a permit is granted, a public notice, such as this, is prepared by the SCAQMD. For this project, public notification is required in accordance with SCAQMD Rule 212(c)(2), Rule 212(g) and Rule 1710(b) because the emissions from the new gas turbines exceed the public notice thresholds for these rules. Public notification is also required by SCAQMD Rule 3006(a) and Rule 1714(e) because there will be a significant revision to the facility's existing Title V air permit and the AEC is subject to a Prevention of Significant Deterioration (PSD) Permit due to its greenhouse gas emissions. Public notification is also required by SCAQMD Rule 212(c)(1) because the project will be located within 1000 feet of Rosie the Riveter Charter High School, located at 690 N. Studebaker Road, Long Beach, CA 90803.

The SCAQMD has evaluated the permit applications listed below for the following facility and determined that the AEC meets or will meet all applicable federal, state and SCAQMD air quality rules and regulations as described below:

FACILITY: AES Alamitos, LLC Facility ID No. 115394 690 N. Studebaker Rd Long Beach, CA 90803 CONTACT: Stephen O'Kane AES Southland 690 N. Studebaker Rd. Long Beach, CA 90803

SCAOMD APPLICATION NUMBERS

Application No.	Equipment Description
579140	RECLAIM/Title V Significant Revision
579142	GE 7FA.05 Combined-Cycle Gas Turbine Generator, Unit CCGT-1
579143	GE 7FA.05 Combined-Cycle Gas Turbine Generator, Unit CCGT-2
579145	GE LMS-100PB Simple-Cycle Gas Turbine Generator, Unit SCGT-1
579147	GE LMS-100PB Simple-Cycle Gas Turbine Generator, Unit SCGT-2
579150	GE LMS-100PB Simple-Cycle Gas Turbine Generator, Unit SCGT-3
579152	GE LMS-100PB Simple-Cycle Gas Turbine Generator, Unit SCGT-4
579158	Auxiliary Boiler
579160	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit CCGT-1
579161	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit CCGT-2
579162	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit SCGT-1
579163	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit SCGT-2
579164	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit SCGT-3
579165	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit SCGT-4
579166	Air Pollution Control Equipment, SCR for Auxiliary Boiler
579167	Aqueous Ammonia Storage Tank for Combined-Cycle Turbines
579168	Aqueous Ammonia Storage Tank for Simple-Cycle Turbines
579169	Oil/Water Separator for Combined-Cycle Turbines
579170	Oil/Water Separator for Simple-Cycle Turbines

PROJECT DESCRIPTION

The proposed AEC will replace four existing electric utility boiler generator Units 1, 2, 3 and 5 which have been in operation since the 1950's and 1960's with a new gas turbine generating system. The new generating system will consist of two natural gas-fired GE 7FA.05 combined-cycle gas turbine generators configured with a shared steam turbine generator and four natural gas-fired GE LMS100PB simple-cycle turbine generators. The combined generating capacity of the AEC will be 1094.7 MW (nominal) which replaces the generating capacity of the existing Unit 1 (175 MW), Unit 2 (175 MW), Unit 3 (320 MW), and Unit 5 (480 MW) at the Alamitos site. The new AEC will be equipped with air pollution control equipment, which consists of catalysts (selective catalytic reduction and oxidation catalysts). Additional new proposed equipment will include an auxiliary boiler equipped with selective catalytic reduction, two aqueous ammonia storage tanks, and two oil/water separators.

EMISSIONS

During normal operation, the total potential maximum daily, monthly, and annual emissions of criteria pollutants from the operation of the new AEC are estimated not to exceed the emission levels listed in the table below. In addition, the new AEC will generate emissions of greenhouse gases (GHGs). The total quantity of GHGs is calculated using the global warming potential for each compound and expressed in an amount equivalent to Carbon Dioxide (CO₂) emissions (CO₂ equivalent). The emissions listed below are strictly from the new equipment and do not include any emission reductions associated with the removal from service of the existing electric utility boiler generator Units 1, 2, 3 and 5.

Pollutant	Max Potential Emissions (Tons)			
	Daily	Monthly	Annual	
Nitrogen Oxides (NO _x)	0.92	27.48	137.06	
Carbon Monoxide (CO)	1.44	43.20	269.80	
Volatile Organic Compounds (VOC)	0.39	11.59	68.31	
Particulate Matter (diameter less than 10 microns, PM_{10} , or diameter less than 2.5 microns, $PM_{2.5}$)	0.52	15.66	69.52	
Sulfur Oxides (SOx)	0.20	6.04	10.19	
Ammonia (NH ₃)	0.28	8.26	98.85	
Carbon Dioxide equivalent (CO _{2equivalent})	4769	143,077	1,716,926	

The proposed AEC will not result in an increase in the electrical generating capacity since the total electrical generating capacity of the new AEC is offset by the generating capacity it replaces, including Units 1, 2, 3 and 5 at Alamitos. SCAQMD Rule 1304(a)(2) provides an offset exemption for an electric utility boiler replacement project such as this project. Therefore, the applicant is not required to provide emission offsets for VOC, PM₁₀, and SOx for the electrical generating equipment. However, the applicant is required to provide emission offsets for VOC, PM₁₀, and SOx for the electrical generating equipment. However, the applicant is required to provide emission offsets for VOC, PM₁₀, and SOx emissions for the auxiliary boiler. Emission offsets will be in the form of emission reduction credits (ERCs). Also, the South Coast Air Basin meets and is in attainment with ambient air quality standards for CO, so no CO offsets are required. All of the NOx emissions from this facility have to be offset with emission credits that AES Alamitos, LLC either holds or purchases through the Regional Clean Air Incentive's Market (RECLAIM) in the form of RECLAIM Trading Credits (RTCs). Finally, the total facility's potential emissions (the proposed new AEC and all other equipment) of PM_{2.5} offset requirements as per SCAQMD Rule 1325. The NOx RTCs are required to be provided by AES Alamitos, LLC prior to the AEC commencing its operation in accordance with SCAQMD RECLAIM Rule 2005.

As a result of burning natural gas in the gas turbines and auxiliary boiler, emissions from the proposed project also contain small quantities of pollutants that are considered air toxics under SCAQMD Rule 1401-New Source Review of Toxic Air Contaminants. Therefore, a health risk assessment (HRA) has been performed for the AEC. The health risk assessment uses health protective assumptions in estimating maximum risk to an individual person. Even assuming this health protective condition, the evaluation shows that the maximum individual cancer risk (MICR) increase from the gas turbines, the auxiliary boiler and the total project, as a whole, even without considering the emission reductions from old equipment being replaced, is less than ten-in-one million and in compliance with SCAQMD's risk thresholds listed in Rule 1401. Also, acute and chronic indices, which measure non-cancer health impacts, are less than one. According to the state health experts, a hazard index of one or less means that the surrounding community including the most sensitive individuals such as very young children and the elderly will not experience any adverse health impacts due to exposure to these emissions. These levels of estimated risk are below the threshold limits of SCAQMD Rule 1401(d) established for new or modified sources. The HRA results are shown in the table below:

	MICR (in a million)		Non-Cancer	Hazard Index
Equipment	Resident	Worker	Acute	Chronic
Facility HRA	1.1	0.052	0.0188	0.00364

PREVENTION OF SIGNIFICANT DETERIORATION (PSD) FOR CRITERIA POLLUTANTS

The South Coast Air Basin is in attainment with the national ambient air quality standards for Nitrogen Dioxide (NO₂), Sulfur Dioxide (SO₂), Carbon Monoxide (CO) and Particulate Matter with aerodynamic diameter less than 10 microns (PM₁₀); therefore, the NO₂, SO₂, CO, and PM₁₀ emissions from the project are subject to the SCAQMD's Prevention of Significant Deterioration (PSD) regulation (Regulation XVII).

The Alamitos Generating Station is classified as a major stationary source, and the estimated maximum project impacts for NO₂ of 31.3 micrograms per cubic meter (μ g/m³) exceed the PSD significance impact level (SIL) of 7.5 μ g/m³. Therefore, an incremental modeling analysis is required to demonstrate that the proposed AEC does not cause, or make significantly worse an existing, 1-hour NO₂ violation of the national ambient air quality standard (NAAQS). The results of the incremental modeling analysis show that the peak contribution from the proposed AEC plus cumulative projects plus background is 251.3 μ g/m³, which exceeds the existing 1-hour NO₂ NAAQS of 188 μ g/m³. An examination of each facility's contributions to the modeled exceedances shows that AEC's maximum contributions to the modeled exceedances is 6.9 μ g/m³, which is less than the 1-hour NO₂ SIL of 7.52 μ g/m³. Therefore, the AEC is not considered a significant source and does not cause or contribute to the modeled exceedance.

Also based on the result of a screening analysis of the potential impacts to Class I wilderness areas, the AEC will not impact visibility on the nearest Class I areas (i.e., San Gabriel Wilderness area). The U.S. Department of Agriculture – Forest Services are currently reviewing the PSD modeling analysis. Based on all of these analysis and evaluations, the SCAQMD has determined that the proposed AEC is expected to comply with all PSD requirements for criteria pollutants.

PREVENTION OF SIGNIFICANT DETERIORATION (PSD) FOR GREENHOUSE GASES

Based on the proposed AEC maximum potential greenhouse gas (GHG) emissions, the proposed project is subject to preconstruction review for GHGs. SCAQMD staff has evaluated the GHG emissions from the AEC for compliance determination with applicable federal, state, and local air quality requirements. The AEC is found to comply with Rule 1714 BACT requirements for GHG emissions through the use of energy efficient gas turbines.

Based on the result of our detailed analysis and evaluation, the SCAQMD has determined that the AEC complies with all applicable federal, state and SCAQMD air quality Rules and Regulations and, therefore, SCAQMD intends to issue the Permits to Construct for the equipment described above. However, prior to issuance of a final permit, SCAQMD is providing an opportunity for a 30-day public comment period and an EPA review period. SCAQMD will consider issuance of the final permit only after all pertinent public and EPA comments, if any, have been received and considered, and after CEC's final approval of the AFC for this project.

This facility is classified as a federal Title IV (Acid Rain) and Title V facility. **Pursuant to SCAQMD Rule 3006 – Public Participation, any person may request a proposed permit hearing on an application for an initial, renewal, or significant revision to a Title V permit by filing with the Executive Officer a complete Hearing Request Form (Form 500G) for a proposed hearing within 15 days of the date of distribution of this notice.** This form is available on the SCAQMD website at <u>http://www.aqmd.gov/docs/default-source/grants/500-g-form.pdf?sfvrsn</u>, or alternatively, the form can be made available by contacting Ms. Vicky Lee at the e-mail and telephone number listed below. In order for a request for a public hearing to be valid, the request must comply with the requirements of SCAQMD Rule 3006 (a)(1)(F). On or before the date the request is filed, the person requesting a proposed permit hearing must also send by first class mail a copy of the request to the facility address and contact person listed above. The proposed permits and other information are available for public review at the SCAQMD's headquarters in Diamond Bar, and at the Bay Shore Neighborhood Library, 195 Bay Shore Avenue, Long Beach, CA 90803. Additional information including the facility owner's compliance history submitted to the SCAQMD pursuant to California Health and Safety Code Section 42336, or otherwise known to the SCAQMD, based on credible information, is available at the SCAQMD for public review by contacting Ms. Vicky Lee (vlee1@aqmd.gov), Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91865-4182, (909) 396-2284. A copy of the draft Permits to Construct can also be viewed at http://www3.aqmd.gov/webappl/PublicNotices2/. Anyone wishing to comment on the air quality elements of the permits must submit comments in writing to the SCAQMD at the above address, attention Mr. Andrew Lee. **Comments must be received within 30 days of the distribution date**. If you are concerned primarily about zoning decisions and the process by which the facility has been sited in this location, contact the local city or county planning department for the city or unincorporated county in which the facility is located. For your general information, anyone experiencing air quality problems such as dust or odor can telephone in a complaint to the SCAQMD 24 hours a day by calling toll free 1-800-CUT-SMOG (1-800-288-7664).

Right to Petition U.S. Environmental Protection Agency (EPA) for Reconsideration: Title V Permits are also subject to review and approval by US EPA. If a public comment is sent to the SCAQMD for this permit, and the SCAQMD has not addressed the comment in a satisfactory manner, and the EPA has not objected to the proposed permit, then the public may submit a petition requesting that the EPA reconsider the decision not to object. Petitions shall be submitted to US EPA, Region 9, Operating Permits Section at 75 Hawthorne Street, San Francisco, CA 94105, within 60 days after the end of the 45-day EPA review period. The EPA review period for this permit starts no earlier than June 30, 2016. EPA's review status may be found at http://www2.epa.gov/caa-permitting/electronic-permit-submittal-system-region-9.

Distribution Date: 7 (11 / 2016

Buildent	A dd	C ¹	Charles -	C'1
Resident	Address	City	State	SitusZIP
Resident	6312 E 5TH ST	LONG BEACH	CA	90803-2112
Resident	6304 E 5TH ST	LONG BEACH	CA	90803-2112
Resident	6304 E COLORADO ST	LONG BEACH	CA	90803-2202
Resident	6308 E 5TH ST	LONG BEACH	CA	90803-2112
Resident	6313 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	6325 E COLORADO ST	LONG BEACH	CA	90803-2203
Resident	6328 E MARIQUITA ST	LONG BEACH	CA	90803-2214
Resident	6305 E COLORADO ST	LONG BEACH	CA	90803-2203
Resident	6329 E MARIQUITA ST	LONG BEACH	CA	90803-2215
Resident	6324 E COLORADO ST	LONG BEACH	CA	90803-2202
Resident	6316 E VERMONT ST	LONG BEACH	CA	90803-2223
Resident	6308 E ELIOT ST	LONG BEACH	CA	90803-2204
Resident	390 PERALTA AVE	LONG BEACH	CA	90803-2216
Resident	391 PERALTA AVE	LONG BEACH	CA	90803-2217
Resident	6313 E MARIQUITA ST	LONG BEACH	CA	90803-2215
Resident	6321 E VISTA ST	LONG BEACH	CA	90803-2226
Resident	360 PERALTA AVE	LONG BEACH	CA	90803-2216
Resident	440 PERALTA AVE	LONG BEACH	CA	90803-2210
Resident	471 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	6304 E MARIQUITA ST	LONG BEACH	CA	90803-2214
Resident	470 PERALTA AVE	LONG BEACH	CA	90803-2218
Resident	6329 E COLORADO ST	LONG BEACH	CA	90803-2203
Resident	6333 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	6324 E VERMONT ST	LONG BEACH	CA	90803-2223
Resident	6272 E VISTA ST	LONG BEACH	CA	90803-2201
Resident	451 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	6301 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	6321 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	6268 E VISTA ST	LONG BEACH	CA	90803-2201
Resident	6313 E COLORADO ST	LONG BEACH	CA	90803-2203
Resident	6292 E 5TH ST	LONG BEACH	CA	90803-2122
Resident	500 PERALTA AVE	LONG BEACH	CA	90803-2126
Resident	501 SILVERA AVE	LONG BEACH	CA	90803-2128
Resident	6308 E MARIQUITA ST	LONG BEACH	CA	90803-2214
Resident	6317 E VISTA ST	LONG BEACH	CA	90803-2226
			CA	90803-2220
Resident	330 PERALTA AVE	LONG BEACH		
Resident	361 SILVERA AVE	LONG BEACH	CA	90803-2220
Resident	350 PERALTA AVE	LONG BEACH	CA	90803-2216
Resident	340 PERALTA AVE	LONG BEACH	CA	90803-2216
Resident	6304 E ELIOT ST	LONG BEACH	CA	90803-2204
Resident	6325 E VISTA ST	LONG BEACH	CA	90803-2226
Resident	6300 E MARIQUITA ST	LONG BEACH	CA	90803-2214
Resident	6300 E 5TH ST	LONG BEACH	CA	90803-2112
Resident	6316 E MARIQUITA ST	LONG BEACH	CA	90803-2214
Resident	410 PERALTA AVE	LONG BEACH	CA	90803-2218
Resident	6321 E VERMONT ST	LONG BEACH	CA	90803-2224
Resident	6313 E VISTA ST	LONG BEACH	CA	90803-2226
Resident	6333 E VERMONT ST	LONG BEACH	CA	90803-2224
Resident	6316 E VISTA ST	LONG BEACH	CA	90803-2225
Resident	6316 E 5TH ST	LONG BEACH	CA	90803-2112
Resident	321 PERALTA AVE	LONG BEACH	CA	90803-2217
Resident	6317 E COLORADO ST	LONG BEACH	CA	90803-2203
Resident	6309 E MARIQUITA ST	LONG BEACH	CA	90803-2215
Resident	431 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	6313 E VERMONT ST	LONG BEACH	CA	90803-2222
Resident	6312 E ELIOT ST	LONG BEACH	CA	90803-2204
Resident	400 PERALTA AVE	LONG BEACH	CA	90803-2218
Resident	441 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	451 PERALTA AVE	LONG BEACH	CA	90803-2219
Resident	6329 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	6325 E MARIQUITA ST	LONG BEACH	CA	90803-2215
Resident	6300 E VERMONT ST	LONG BEACH	CA	90803-2223
Resident	341 SILVERA AVE	LONG BEACH	CA	90803-2220
Resident	431 PERALTA AVE	LONG BEACH	CA	90803-2219
Resident	6309 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	6332 E 5TH ST	LONG BEACH	CA	90803-2112
Resident	6325 E VERMONT ST	LONG BEACH	CA	90803-2224
Resident	6328 E ELIOT ST	LONG BEACH	CA	90803-2204
Resident	411 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	6309 E COLORADO ST	LONG BEACH	CA	90803-2203
Resident	411 PERALTA AVE	LONG BEACH	CA	90803-2203
nesident		LONG DEACH		50003-2213

Resident	6320 E 5TH ST	LONG BEACH	CA	90803-2112
Resident	6320 E COLORADO ST	LONG BEACH	CA	90803-2202
Resident	490 PERALTA AVE	LONG BEACH	CA	90803-2218
Resident	311 PERALTA AVE	LONG BEACH	CA	90803-2217
Resident	6312 E COLORADO ST	LONG BEACH	CA	90803-2202
Resident	6301 E MARIQUITA ST	LONG BEACH	CA	90803-2215
Resident	351 SILVERA AVE	LONG BEACH	CA	90803-2220
Resident	6305 E VERMONT ST	LONG BEACH	CA	90803-2224
Resident	461 PERALTA AVE	LONG BEACH	CA	90803-2219
Resident	331 SILVERA AVE	LONG BEACH	CA	90803-2220
Resident	460 PERALTA AVE	LONG BEACH	CA	90803-2218
Resident	6363 E PACIFIC COAST HWY	LONG BEACH	CA	90803-4811
Resident	510 PERALTA AVE	LONG BEACH	CA	90803-2126
Resident	6332 E COLORADO ST	LONG BEACH	CA	90803-2202
Resident	6332 E ELIOT ST	LONG BEACH	CA	90803-2204
Resident	401 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	310 PERALTA AVE	LONG BEACH	CA	90803-2216
Resident	6324 E 5TH ST	LONG BEACH	CA	90803-2112
Resident	6309 E VERMONT ST	LONG BEACH	CA	90803-2224
Resident	498 PERALTA AVE	LONG BEACH	CA	90803-2218
	6301 E COLORADO ST			
Resident		LONG BEACH	CA	90803-2203
Resident	6328 E COLORADO ST	LONG BEACH	CA	90803-2202
Resident	311 SILVERA AVE	LONG BEACH	CA	90803-2220
Resident	6332 E VERMONT ST	LONG BEACH	CA	90803-2223
Resident	421 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	6301 E VERMONT ST	LONG BEACH	CA	90803-2224
	6312 E VERMONT ST	LONG BEACH	CA	90803-2223
Resident				
Resident	6309 E VISTA ST	LONG BEACH	CA	90803-2226
Resident	6264 E VISTA ST	LONG BEACH	CA	90803-2201
Resident	481 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	361 PERALTA AVE	LONG BEACH	CA	90803-2217
Resident	6300 E VISTA ST	LONG BEACH	CA	90803-2225
Resident	401 PERALTA AVE	LONG BEACH	CA	90803-2219
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Resident	441 PERALTA AVE	LONG BEACH	CA	90803-2219
Resident	6305 E VISTA ST	LONG BEACH	CA	90803-2226
Resident	320 PERALTA AVE	LONG BEACH	CA	90803-2216
Resident	480 PERALTA AVE	LONG BEACH	CA	90803-2218
Resident	6308 E VERMONT ST	LONG BEACH	CA	90803-2223
Resident	6304 E VERMONT ST	LONG BEACH	CA	90803-2223
Resident	6305 E MARIQUITA ST	LONG BEACH	CA	90803-2215
Resident	421 PERALTA AVE	LONG BEACH	CA	90803-2219
Resident	6324 E MARIQUITA ST	LONG BEACH	CA	90803-2214
Resident	321 SILVERA AVE	LONG BEACH	CA	90803-2220
Resident	511 SILVERA AVE	LONG BEACH	CA	90803-2128
Resident	6308 E COLORADO ST	LONG BEACH	CA	90803-2202
	6329 E VERMONT ST	LONG BEACH	CA	90803-2224
Resident				
Resident	6312 E VISTA ST	LONG BEACH	CA	90803-2225
Resident	6320 E VERMONT ST	LONG BEACH	CA	90803-2223
Resident	6321 E MARIQUITA ST	LONG BEACH	CA	90803-2215
Resident	6312 E MARIQUITA ST	LONG BEACH	CA	90803-2214
Resident	380 PERALTA AVE	LONG BEACH	CA	90803-2216
Resident	6321 E COLORADO ST	LONG BEACH	CA	90803-2203
	420 PERALTA AVE	LONG BEACH	CA	90803-2218
Resident				
Resident	461 SILVERA AVE	LONG BEACH	CA	90803-2222
Resident	6317 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	6325 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	371 SILVERA AVE	LONG BEACH	CA	90803-2220
Resident	430 PERALTA AVE	LONG BEACH	CA	90803-2218
Resident	6305 E ELIOT ST	LONG BEACH	CA	90803-2205
Resident	6324 E ELIOT ST	LONG BEACH	CA	90803-2204
Resident	6304 E VISTA ST	LONG BEACH	CA	90803-2225
Resident	331 PERALTA AVE	LONG BEACH	CA	90803-2217
Resident	6320 E VISTA ST	LONG BEACH	CA	90803-2225
Resident	351 PERALTA AVE	LONG BEACH	CA	90803-2217
Resident	6316 E COLORADO ST	LONG BEACH	CA	90803-2202
Resident	6260 E VISTA ST	LONG BEACH	CA	90803-2201
Resident	6308 E VISTA ST	LONG BEACH	CA	90803-2225
Resident	341 PERALTA AVE	LONG BEACH	CA	90803-2217
Resident	6316 E ELIOT ST	LONG BEACH	CA	90803-2204
Resident	6317 E MARIQUITA ST	LONG BEACH	CA	90803-2215
Resident	370 PERALTA AVE	LONG BEACH	CA	90803-2216

Resident	6320 E ELIOT ST		LONG BEACH	CA	90803-2204
Resident	381 PERALTA AVE		LONG BEACH	CA	90803-2217
Resident	6328 E VERMONT ST		LONG BEACH	CA	90803-2223
Resident	6300 E COLORADO ST		LONG BEACH	CA	90803-2202
Resident	381 SILVERA AVE		LONG BEACH	CA	90803-2220
Resident	491 SILVERA AVE		LONG BEACH	CA	90803-2222
Resident	371 PERALTA AVE		LONG BEACH	CA	90803-2217
Resident	391 SILVERA AVE		LONG BEACH	CA	90803-2220
Resident	471 PERALTA AVE		LONG BEACH	CA	90803-2219
Resident	6252 E VISTA ST		LONG BEACH	CA	90803-2201
Resident	450 PERALTA AVE		LONG BEACH	CA	90803-2218
Resident	6320 E MARIQUITA ST		LONG BEACH	CA	90803-2214
Resident	6301 E VISTA ST		LONG BEACH	CA	90803-2226
Resident	531 SILVERA AVE		LONG BEACH	CA	90803-2128
Resident	521 SILVERA AVE		LONG BEACH	CA	90803-2128
Resident	6328 E 5TH ST		LONG BEACH	CA	90803-2112
Resident	6256 E VISTA ST		LONG BEACH	CA	90803-2201
Resident	6317 E VERMONT ST		LONG BEACH	CA	90803-2224
Resident	6333 E COLORADO ST		LONG BEACH	CA	90803-2203
Resident	6300 E ELIOT ST		LONG BEACH	CA	90803-2204
Resident	13021 Oak Hills Dr.	Bldg No. 219	Seal Beach	CA	90740
Resident	13061 Oak Hills Dr.	Bldg No. 221	Seal Beach	CA	90740
Resident	13081 Oak Hills Dr	Bldg No. 223	Seal Beach	CA	90740
Resident	13101 Oak Hills Dr	Bldg No. 234	Seal Beach	CA	90740
Resident	13121 Oak Hills Dr	Bldg No. 233	Seal Beach	CA	90740
Resident	1075 Brookline Rd	Bldg No. 220	Seal Beach	CA	90740
Resident	1100 Brookline Rd	Bldg No. 222	Seal Beach	CA	90740
Resident	1125 Northwood Rd	Bldg No. 235	Seal Beach	CA	90740
Resident	13140 Nassau Dr	Bldg No. 214	Seal Beach	CA	90740
Resident	1080 Brookline Rd	Bldg No. 213	Seal Beach	CA	90740
Resident	1060 Brookline Rd	Bldg No. 212	Seal Beach	CA	90740
Resident	1123 Northwood Rd	Bldg No. 236	Seal Beach	CA	90740
Resident	1121 Northwood Rd	Bldg No. 237	Seal Beach	CA	90740
Resident	13220 Nassau Dr	Bldg No. 209	Seal Beach	CA	90740
Resident	13180 Nassau Dr	Bldg No. 210	Seal Beach	CA	90740
Resident	13160 Nassau Dr	Bldg No. 211	Seal Beach	CA	90740
Resident	13241 El Dorado Dr	Bldg No. 206	Seal Beach	CA	90740
Resident	13199 El Dorado Dr	Bldg No. 207	Seal Beach	CA	90740
Resident	13201 El Dorado Dr	Bldg No. 208	Seal Beach	CA	90740
Resident	13301 El Dorado Dr	Bldg No. 204	Seal Beach	CA	90740
Resident	13281 El Dorado Dr	Bldg No. 205	Seal Beach	CA	90740
Resident	13321 El Dorado Dr	Bldg No. 203	Seal Beach	CA	90740
Resident	13381 El Dorado Dr	Bldg No. 202	Seal Beach	CA	90740
Resident	13341 El Dorado Dr	Bldg No. 200	Seal Beach	CA	90740
Resident	13361 El Dorado Dr	Bldg No. 201	Seal Beach	CA	90740
Resident	13501 El Dorado Dr	Bldg No. 199	Seal Beach	CA	90740

Salazar, Cindy/SCO

From: Sent: To: Subject: Christopher Roeser <chris@graphics360.net> Wednesday, July 20, 2016 9:20 AM Salazar, Cindy/SCO Confirmation [EXTERNAL]

Cindy,

I wanted to confirm with you that we, Graphics 360, delivered to the Irvine Post Office, the mailing containing 189 envelopes on Tuesday, July 12th.

Thanks.

Christopher Roeser Graphics 360 2704 S. Grand Avenue Santa Ana, CA 92705 (714) 979-5000 Visit us: www.Graphics360.net



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Notice: It's OK to print this email. Paper is a biodegradable, renewable, sustainable product made from trees. Growing and harvesting trees provides jobs for millions of Americans. Working forests are good for the environment and provide clean air and water, wildlife habitat and carbon storage. Thanks to improved forest management, we have more trees in America today than we had 100 years ago.

Rosie the Riveter Charter High School



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178 (909) 396-2000 • www.aqmd.gov

NOTICE OF INTENT TO ISSUE PERMITS PURSUANT TO SCAQMD RULES 212 (STANDARDS FOR APPROVING PERMITS), 1710 (PSD ANALYSIS, NOTICE, AND REPORTING), 1714 (PSD GREENHOUSE GASES) AND 3006 (TITLE V)

This notice is to inform you that the South Coast Air Quality Management District (SCAQMD) has received permit applications from AES Alamitos, LLC for the Alamitos Energy Center (AEC) which will consist of the replacement of four existing older and less efficient large electric generating utility boilers with six new state of the art and more efficient electric generating gas turbines at Alamitos Generating Station in Long Beach. After a careful review and a detailed evaluation of the AEC, SCAQMD has determined that the proposed project complies with all applicable federal, state and local air quality rules and regulations. Therefore, SCAQMD intends to issue Permits to Construct for the AEC and to revise the Title V permit for this facility. However, prior to issuance of the final Title V permit, SCAQMD is providing an opportunity for public comments on the SCAQMD's proposed decision.

The SCAQMD is the air pollution control agency for the four-county region including all of Orange County and non-desert parts of Los Angeles, Riverside and San Bernardino Counties. Anyone wishing to install or modify equipment that could control or be a source of air pollution within this region must first obtain a permit from the SCAQMD. Under certain circumstances, before a permit is granted, a public notice, such as this, is prepared by the SCAQMD. For this project, public notification is required in accordance with SCAQMD Rule 212(c)(2), Rule 212(g) and Rule 1710(b) because the emissions from the new gas turbines exceed the public notice thresholds for these rules. Public notification is also required by SCAQMD Rule 3006(a) and Rule 1714(e) because there will be a significant revision to the facility's existing Title V air permit and the AEC is subject to a Prevention of Significant Deterioration (PSD) Permit due to its greenhouse gas emissions. Public notification is also required by SCAQMD Rule 212(c)(1) because the project will be located within 1000 feet of Rosie the Riveter Charter High School, located at 690 N. Studebaker Road, Long Beach, CA 90803.

The SCAQMD has evaluated the permit applications listed below for the following facility and determined that the AEC meets or will meet all applicable federal, state and SCAQMD air quality rules and regulations as described below:

FACILITY: AES Alamitos, LLC Facility ID No. 115394 690 N. Studebaker Rd Long Beach, CA 90803 CONTACT: Stephen O'Kane AES Southland 690 N. Studebaker Rd. Long Beach, CA 90803

SCAOMD APPLICATION NUMBERS

Application No.	Equipment Description
579140	RECLAIM/Title V Significant Revision
579142	GE 7FA.05 Combined-Cycle Gas Turbine Generator, Unit CCGT-1
579143	GE 7FA.05 Combined-Cycle Gas Turbine Generator, Unit CCGT-2
579145	GE LMS-100PB Simple-Cycle Gas Turbine Generator, Unit SCGT-1
579147	GE LMS-100PB Simple-Cycle Gas Turbine Generator, Unit SCGT-2
579150	GE LMS-100PB Simple-Cycle Gas Turbine Generator, Unit SCGT-3
579152	GE LMS-100PB Simple-Cycle Gas Turbine Generator, Unit SCGT-4
579158	Auxiliary Boiler
579160	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit CCGT-1
579161	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit CCGT-2
579162	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit SCGT-1
579163	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit SCGT-2
579164	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit SCGT-3
579165	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine, Unit SCGT-4
579166	Air Pollution Control Equipment, SCR for Auxiliary Boiler
579167	Aqueous Ammonia Storage Tank for Combined-Cycle Turbines
579168	Aqueous Ammonia Storage Tank for Simple-Cycle Turbines
579169	Oil/Water Separator for Combined-Cycle Turbines
579170	Oil/Water Separator for Simple-Cycle Turbines

PROJECT DESCRIPTION

The proposed AEC will replace four existing electric utility boiler generator Units 1, 2, 3 and 5 which have been in operation since the 1950's and 1960's with a new gas turbine generating system. The new generating system will consist of two natural gas-fired GE 7FA.05 combined-cycle gas turbine generators configured with a shared steam turbine generator and four natural gas-fired GE LMS100PB simple-cycle turbine generators. The combined generating capacity of the AEC will be 1094.7 MW (nominal) which replaces the generating capacity of the existing Unit 1 (175 MW), Unit 2 (175 MW), Unit 3 (320 MW), and Unit 5 (480 MW) at the Alamitos site. The new AEC will be equipped with air pollution control equipment, which consists of catalysts (selective catalytic reduction and oxidation catalysts). Additional new proposed equipment will include an auxiliary boiler equipped with selective catalytic reduction, two aqueous ammonia storage tanks, and two oil/water separators.

EMISSIONS

During normal operation, the total potential maximum daily, monthly, and annual emissions of criteria pollutants from the operation of the new AEC are estimated not to exceed the emission levels listed in the table below. In addition, the new AEC will generate emissions of greenhouse gases (GHGs). The total quantity of GHGs is calculated using the global warming potential for each compound and expressed in an amount equivalent to Carbon Dioxide (CO₂) emissions (CO₂ equivalent). The emissions listed below are strictly from the new equipment and do not include any emission reductions associated with the removal from service of the existing electric utility boiler generator Units 1, 2, 3 and 5.

Pollutant	Max Potential Emissions (Tons)			
	Daily	Monthly	Annual	
Nitrogen Oxides (NO _x)	0.92	27.48	137.06	
Carbon Monoxide (CO)	1.44	43.20	269.80	
Volatile Organic Compounds (VOC)	0.39	11.59	68.31	
Particulate Matter (diameter less than 10 microns, PM_{10} , or diameter less than 2.5 microns, $PM_{2.5}$)	0.52	15.66	69.52	
Sulfur Oxides (SOx)	0.20	6.04	10.19	
Ammonia (NH ₃)	0.28	8.26	98.85	
Carbon Dioxide equivalent (CO _{2equivalent})	4769	143,077	1,716,926	

The proposed AEC will not result in an increase in the electrical generating capacity since the total electrical generating capacity of the new AEC is offset by the generating capacity it replaces, including Units 1, 2, 3 and 5 at Alamitos. SCAQMD Rule 1304(a)(2) provides an offset exemption for an electric utility boiler replacement project such as this project. Therefore, the applicant is not required to provide emission offsets for VOC, PM₁₀, and SOx for the electrical generating equipment. However, the applicant is required to provide emission offsets for VOC, PM₁₀, and SOx for the electrical generating equipment. However, the applicant is required to provide emission offsets for VOC, PM₁₀, and SOx emissions for the auxiliary boiler. Emission offsets will be in the form of emission reduction credits (ERCs). Also, the South Coast Air Basin meets and is in attainment with ambient air quality standards for CO, so no CO offsets are required. All of the NOx emissions from this facility have to be offset with emission credits that AES Alamitos, LLC either holds or purchases through the Regional Clean Air Incentive's Market (RECLAIM) in the form of RECLAIM Trading Credits (RTCs). Finally, the total facility's potential emissions (the proposed new AEC and all other equipment) of PM_{2.5} offset requirements as per SCAQMD Rule 1325. The NOx RTCs are required to be provided by AES Alamitos, LLC prior to the AEC commencing its operation in accordance with SCAQMD RECLAIM Rule 2005.

As a result of burning natural gas in the gas turbines and auxiliary boiler, emissions from the proposed project also contain small quantities of pollutants that are considered air toxics under SCAQMD Rule 1401-New Source Review of Toxic Air Contaminants. Therefore, a health risk assessment (HRA) has been performed for the AEC. The health risk assessment uses health protective assumptions in estimating maximum risk to an individual person. Even assuming this health protective condition, the evaluation shows that the maximum individual cancer risk (MICR) increase from the gas turbines, the auxiliary boiler and the total project, as a whole, even without considering the emission reductions from old equipment being replaced, is less than ten-in-one million and in compliance with SCAQMD's risk thresholds listed in Rule 1401. Also, acute and chronic indices, which measure non-cancer health impacts, are less than one. According to the state health experts, a hazard index of one or less means that the surrounding community including the most sensitive individuals such as very young children and the elderly will not experience any adverse health impacts due to exposure to these emissions. These levels of estimated risk are below the threshold limits of SCAQMD Rule 1401(d) established for new or modified sources. The HRA results are shown in the table below:

	MICR (in a million)		Non-Cancer	Hazard Index
Equipment	Resident	Worker	Acute	Chronic
Facility HRA	1.1	0.052	0.0188	0.00364

PREVENTION OF SIGNIFICANT DETERIORATION (PSD) FOR CRITERIA POLLUTANTS

The South Coast Air Basin is in attainment with the national ambient air quality standards for Nitrogen Dioxide (NO₂), Sulfur Dioxide (SO₂), Carbon Monoxide (CO) and Particulate Matter with aerodynamic diameter less than 10 microns (PM₁₀); therefore, the NO₂, SO₂, CO, and PM₁₀ emissions from the project are subject to the SCAQMD's Prevention of Significant Deterioration (PSD) regulation (Regulation XVII).

The Alamitos Generating Station is classified as a major stationary source, and the estimated maximum project impacts for NO₂ of 31.3 micrograms per cubic meter (μ g/m³) exceed the PSD significance impact level (SIL) of 7.5 μ g/m³. Therefore, an incremental modeling analysis is required to demonstrate that the proposed AEC does not cause, or make significantly worse an existing, 1-hour NO₂ violation of the national ambient air quality standard (NAAQS). The results of the incremental modeling analysis show that the peak contribution from the proposed AEC plus cumulative projects plus background is 251.3 μ g/m³, which exceeds the existing 1-hour NO₂ NAAQS of 188 μ g/m³. An examination of each facility's contributions to the modeled exceedances shows that AEC's maximum contributions to the modeled exceedances is 6.9 μ g/m³, which is less than the 1-hour NO₂ SIL of 7.52 μ g/m³. Therefore, the AEC is not considered a significant source and does not cause or contribute to the modeled exceedance.

Also based on the result of a screening analysis of the potential impacts to Class I wilderness areas, the AEC will not impact visibility on the nearest Class I areas (i.e., San Gabriel Wilderness area). The U.S. Department of Agriculture – Forest Services are currently reviewing the PSD modeling analysis. Based on all of these analysis and evaluations, the SCAQMD has determined that the proposed AEC is expected to comply with all PSD requirements for criteria pollutants.

PREVENTION OF SIGNIFICANT DETERIORATION (PSD) FOR GREENHOUSE GASES

Based on the proposed AEC maximum potential greenhouse gas (GHG) emissions, the proposed project is subject to preconstruction review for GHGs. SCAQMD staff has evaluated the GHG emissions from the AEC for compliance determination with applicable federal, state, and local air quality requirements. The AEC is found to comply with Rule 1714 BACT requirements for GHG emissions through the use of energy efficient gas turbines.

Based on the result of our detailed analysis and evaluation, the SCAQMD has determined that the AEC complies with all applicable federal, state and SCAQMD air quality Rules and Regulations and, therefore, SCAQMD intends to issue the Permits to Construct for the equipment described above. However, prior to issuance of a final permit, SCAQMD is providing an opportunity for a 30-day public comment period and an EPA review period. SCAQMD will consider issuance of the final permit only after all pertinent public and EPA comments, if any, have been received and considered, and after CEC's final approval of the AFC for this project.

This facility is classified as a federal Title IV (Acid Rain) and Title V facility. **Pursuant to SCAQMD Rule 3006 – Public Participation, any person may request a proposed permit hearing on an application for an initial, renewal, or significant revision to a Title V permit by filing with the Executive Officer a complete Hearing Request Form (Form 500G) for a proposed hearing within 15 days of the date of distribution of this notice.** This form is available on the SCAQMD website at <u>http://www.aqmd.gov/docs/default-source/grants/500-g-form.pdf?sfvrsn</u>, or alternatively, the form can be made available by contacting Ms. Vicky Lee at the e-mail and telephone number listed below. In order for a request for a public hearing to be valid, the request must comply with the requirements of SCAQMD Rule 3006 (a)(1)(F). On or before the date the request is filed, the person requesting a proposed permit hearing must also send by first class mail a copy of the request to the facility address and contact person listed above. The proposed permits and other information are available for public review at the SCAQMD's headquarters in Diamond Bar, and at the Bay Shore Neighborhood Library, 195 Bay Shore Avenue, Long Beach, CA 90803. Additional information including the facility owner's compliance history submitted to the SCAQMD pursuant to California Health and Safety Code Section 42336, or otherwise known to the SCAQMD, based on credible information, is available at the SCAQMD for public review by contacting Ms. Vicky Lee (vlee1@aqmd.gov), Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91865-4182, (909) 396-2284. A copy of the draft Permits to Construct can also be viewed at http://www3.aqmd.gov/webappl/PublicNotices2/. Anyone wishing to comment on the air quality elements of the permits must submit comments in writing to the SCAQMD at the above address, attention Mr. Andrew Lee. **Comments must be received within 30 days of the distribution date**. If you are concerned primarily about zoning decisions and the process by which the facility has been sited in this location, contact the local city or county planning department for the city or unincorporated county in which the facility is located. For your general information, anyone experiencing air quality problems such as dust or odor can telephone in a complaint to the SCAQMD 24 hours a day by calling toll free 1-800-CUT-SMOG (1-800-288-7664).

Right to Petition U.S. Environmental Protection Agency (EPA) for Reconsideration: Title V Permits are also subject to review and approval by US EPA. If a public comment is sent to the SCAQMD for this permit, and the SCAQMD has not addressed the comment in a satisfactory manner, and the EPA has not objected to the proposed permit, then the public may submit a petition requesting that the EPA reconsider the decision not to object. Petitions shall be submitted to US EPA, Region 9, Operating Permits Section at 75 Hawthorne Street, San Francisco, CA 94105, within 60 days after the end of the 45-day EPA review period. The EPA review period for this permit starts no earlier than June 30, 2016. EPA's review status may be found at http://www2.epa.gov/caa-permitting/electronic-permit-submittal-system-region-9.

Distribution Date: 7(12/2016

Parent or Guardian of Student at Rosie The Riveter Youth Programs 1880 Harbor Ave. Long Beach, CA 90810

Parent or Guardian of Student at Rosie The Riveter Youth Programs 1624 Sherman Place, #7 Long Beach, CA 90804

Parent or Guardian of Student at Rosie The Riveter Youth Programs 1154 E. Broadway Ave. Long Beach, CA 90802

Parent or Guardian of Student at Rosie The Riveter Youth Programs 1434 Rose Ave. Long Beach, CA 90813



Parent or Guardian of Student at Rosie The Riveter Youth Programs 1063 Lime Ave. Long Beach, CA 90813

Parent or Guardian of Student at Rosie The Riveter Youth Programs 1357 Dawson Ave. #7 Long Beach, CA 90804

Parent or Guardian of Student at Rosie The Riveter Youth Programs 310 Wisconsin Ave. #5 Long Beach, CA 90814



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U.9, POSTAGE PAID COSTA MESA, CA 92628 JUL 12, 16 AMOUNT \$1.30 R2304M114314-13 Parent or Guardian of Student at Rosie The Riveter Youth Programs 768 Cerritos Ave. #2 Long Beach, CA 90813

Parent or Guardian of Student at Rosie The Riveter Youth Programs 5956 Myrtle Ave. Long Beach, CA 90805

Parent or Guardian of Student at Rosie The Riveter Youth Programs 6962 E. Bendina Long Beach, CA 90815



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I.S. POSTAGE PAID :05TA MESA, CA 92628 UL 12, 18 AMOUNT **\$ 1.30** R2304M114314-13



Kettering Elementary School



South Coast Air Quality Management District

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NOTICE OF INTENT TO ISSUE PERMITS PURSUANT TO SCAQMD RULES 212 (STANDARDS FOR APPROVING PERMITS), 1710 (PSD ANALYSIS, NOTICE, AND REPORTING), 1714 (PSD GREENHOUSE GASES) AND 3006 (TITLE V)

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The SCAQMD has evaluated the permit applications listed below for the following facility and determined that the AEC meets or will meet all applicable federal, state and SCAQMD air quality rules and regulations as described below:

FACILITY: AES Alamitos, LLC Facility ID No. 115394 690 N. Studebaker Rd Long Beach, CA 90803 CONTACT: Stephen O'Kane AES Southland 690 N. Studebaker Rd. Long Beach, CA 90803

SCAOMD APPLICATION NUMBERS

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PROJECT DESCRIPTION

The proposed AEC will replace four existing electric utility boiler generator Units 1, 2, 3 and 5 which have been in operation since the 1950's and 1960's with a new gas turbine generating system. The new generating system will consist of two natural gas-fired GE 7FA.05 combined-cycle gas turbine generators configured with a shared steam turbine generator and four natural gas-fired GE LMS100PB simple-cycle turbine generators. The combined generating capacity of the AEC will be 1094.7 MW (nominal) which replaces the generating capacity of the existing Unit 1 (175 MW), Unit 2 (175 MW), Unit 3 (320 MW), and Unit 5 (480 MW) at the Alamitos site. The new AEC will be equipped with air pollution control equipment, which consists of catalysts (selective catalytic reduction and oxidation catalysts). Additional new proposed equipment will include an auxiliary boiler equipped with selective catalytic reduction, two aqueous ammonia storage tanks, and two oil/water separators.

EMISSIONS

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Pollutant	Max Potential Emissions (Tons)		
	Daily	Monthly	Annual
Nitrogen Oxides (NO _x)	0.92	27.48	137.06
Carbon Monoxide (CO)	1.44	43.20	269.80
Volatile Organic Compounds (VOC)	0.39	11.59	68.31
Particulate Matter (diameter less than 10 microns, PM_{10} , or diameter less than 2.5 microns, $PM_{2.5}$)	0.52	15.66	69.52
Sulfur Oxides (SOx)	0.20	6.04	10.19
Ammonia (NH ₃)	0.28	8.26	98.85
Carbon Dioxide equivalent (CO _{2equivalent})	4769	143,077	1,716,926

The proposed AEC will not result in an increase in the electrical generating capacity since the total electrical generating capacity of the new AEC is offset by the generating capacity it replaces, including Units 1, 2, 3 and 5 at Alamitos. SCAQMD Rule 1304(a)(2) provides an offset exemption for an electric utility boiler replacement project such as this project. Therefore, the applicant is not required to provide emission offsets for VOC, PM₁₀, and SOx for the electrical generating equipment. However, the applicant is required to provide emission offsets for VOC, PM₁₀, and SOx for the electrical generating equipment. However, the applicant is required to provide emission offsets for VOC, PM₁₀, and SOx emissions for the auxiliary boiler. Emission offsets will be in the form of emission reduction credits (ERCs). Also, the South Coast Air Basin meets and is in attainment with ambient air quality standards for CO, so no CO offsets are required. All of the NOx emissions from this facility have to be offset with emission credits that AES Alamitos, LLC either holds or purchases through the Regional Clean Air Incentive's Market (RECLAIM) in the form of RECLAIM Trading Credits (RTCs). Finally, the total facility's potential emissions (the proposed new AEC and all other equipment) of PM_{2.5} offset requirements as per SCAQMD Rule 1325. The NOx RTCs are required to be provided by AES Alamitos, LLC prior to the AEC commencing its operation in accordance with SCAQMD RECLAIM Rule 2005.

As a result of burning natural gas in the gas turbines and auxiliary boiler, emissions from the proposed project also contain small quantities of pollutants that are considered air toxics under SCAQMD Rule 1401-New Source Review of Toxic Air Contaminants. Therefore, a health risk assessment (HRA) has been performed for the AEC. The health risk assessment uses health protective assumptions in estimating maximum risk to an individual person. Even assuming this health protective condition, the evaluation shows that the maximum individual cancer risk (MICR) increase from the gas turbines, the auxiliary boiler and the total project, as a whole, even without considering the emission reductions from old equipment being replaced, is less than ten-in-one million and in compliance with SCAQMD's risk thresholds listed in Rule 1401. Also, acute and chronic indices, which measure non-cancer health impacts, are less than one. According to the state health experts, a hazard index of one or less means that the surrounding community including the most sensitive individuals such as very young children and the elderly will not experience any adverse health impacts due to exposure to these emissions. These levels of estimated risk are below the threshold limits of SCAQMD Rule 1401(d) established for new or modified sources. The HRA results are shown in the table below:

	MICR (in a million)		llion) Non-Cancer Hazard Index	
Equipment	Resident	Worker	Acute	Chronic
Facility HRA	1.1	0.052	0.0188	0.00364

PREVENTION OF SIGNIFICANT DETERIORATION (PSD) FOR CRITERIA POLLUTANTS

The South Coast Air Basin is in attainment with the national ambient air quality standards for Nitrogen Dioxide (NO₂), Sulfur Dioxide (SO₂), Carbon Monoxide (CO) and Particulate Matter with aerodynamic diameter less than 10 microns (PM₁₀); therefore, the NO₂, SO₂, CO, and PM₁₀ emissions from the project are subject to the SCAQMD's Prevention of Significant Deterioration (PSD) regulation (Regulation XVII).

The Alamitos Generating Station is classified as a major stationary source, and the estimated maximum project impacts for NO₂ of 31.3 micrograms per cubic meter (μ g/m³) exceed the PSD significance impact level (SIL) of 7.5 μ g/m³. Therefore, an incremental modeling analysis is required to demonstrate that the proposed AEC does not cause, or make significantly worse an existing, 1-hour NO₂ violation of the national ambient air quality standard (NAAQS). The results of the incremental modeling analysis show that the peak contribution from the proposed AEC plus cumulative projects plus background is 251.3 μ g/m³, which exceeds the existing 1-hour NO₂ NAAQS of 188 μ g/m³. An examination of each facility's contributions to the modeled exceedances shows that AEC's maximum contributions to the modeled exceedances is 6.9 μ g/m³, which is less than the 1-hour NO₂ SIL of 7.52 μ g/m³. Therefore, the AEC is not considered a significant source and does not cause or contribute to the modeled exceedance.

Also based on the result of a screening analysis of the potential impacts to Class I wilderness areas, the AEC will not impact visibility on the nearest Class I areas (i.e., San Gabriel Wilderness area). The U.S. Department of Agriculture – Forest Services are currently reviewing the PSD modeling analysis. Based on all of these analysis and evaluations, the SCAQMD has determined that the proposed AEC is expected to comply with all PSD requirements for criteria pollutants.

PREVENTION OF SIGNIFICANT DETERIORATION (PSD) FOR GREENHOUSE GASES

Based on the proposed AEC maximum potential greenhouse gas (GHG) emissions, the proposed project is subject to preconstruction review for GHGs. SCAQMD staff has evaluated the GHG emissions from the AEC for compliance determination with applicable federal, state, and local air quality requirements. The AEC is found to comply with Rule 1714 BACT requirements for GHG emissions through the use of energy efficient gas turbines.

Based on the result of our detailed analysis and evaluation, the SCAQMD has determined that the AEC complies with all applicable federal, state and SCAQMD air quality Rules and Regulations and, therefore, SCAQMD intends to issue the Permits to Construct for the equipment described above. However, prior to issuance of a final permit, SCAQMD is providing an opportunity for a 30-day public comment period and an EPA review period. SCAQMD will consider issuance of the final permit only after all pertinent public and EPA comments, if any, have been received and considered, and after CEC's final approval of the AFC for this project.

This facility is classified as a federal Title IV (Acid Rain) and Title V facility. **Pursuant to SCAQMD Rule 3006 – Public Participation, any person may request a proposed permit hearing on an application for an initial, renewal, or significant revision to a Title V permit by filing with the Executive Officer a complete Hearing Request Form (Form 500G) for a proposed hearing within 15 days of the date of distribution of this notice.** This form is available on the SCAQMD website at <u>http://www.aqmd.gov/docs/default-source/grants/500-g-form.pdf?sfvrsn</u>, or alternatively, the form can be made available by contacting Ms. Vicky Lee at the e-mail and telephone number listed below. In order for a request for a public hearing to be valid, the request must comply with the requirements of SCAQMD Rule 3006 (a)(1)(F). On or before the date the request is filed, the person requesting a proposed permit hearing must also send by first class mail a copy of the request to the facility address and contact person listed above. The proposed permits and other information are available for public review at the SCAQMD's headquarters in Diamond Bar, and at the Bay Shore Neighborhood Library, 195 Bay Shore Avenue, Long Beach, CA 90803. Additional information including the facility owner's compliance history submitted to the SCAQMD pursuant to California Health and Safety Code Section 42336, or otherwise known to the SCAQMD, based on credible information, is available at the SCAQMD for public review by contacting Ms. Vicky Lee (vlee1@aqmd.gov), Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91865-4182, (909) 396-2284. A copy of the draft Permits to Construct can also be viewed at http://www3.aqmd.gov/webappl/PublicNotices2/. Anyone wishing to comment on the air quality elements of the permits must submit comments in writing to the SCAQMD at the above address, attention Mr. Andrew Lee. **Comments must be received within 30 days of the distribution date**. If you are concerned primarily about zoning decisions and the process by which the facility has been sited in this location, contact the local city or county planning department for the city or unincorporated county in which the facility is located. For your general information, anyone experiencing air quality problems such as dust or odor can telephone in a complaint to the SCAQMD 24 hours a day by calling toll free 1-800-CUT-SMOG (1-800-288-7664).

Right to Petition U.S. Environmental Protection Agency (EPA) for Reconsideration: Title V Permits are also subject to review and approval by US EPA. If a public comment is sent to the SCAQMD for this permit, and the SCAQMD has not addressed the comment in a satisfactory manner, and the EPA has not objected to the proposed permit, then the public may submit a petition requesting that the EPA reconsider the decision not to object. Petitions shall be submitted to US EPA, Region 9, Operating Permits Section at 75 Hawthorne Street, San Francisco, CA 94105, within 60 days after the end of the 45-day EPA review period. The EPA review period for this permit starts no earlier than June 30, 2016. EPA's review status may be found at http://www2.epa.gov/caa-permitting/electronic-permit-submittal-system-region-9.

COUNTY OF ORANGE)

DECLARATION OF MAILING

I, <u>Norah Jaffan</u>, do hereby declare as follows:

))

- 1. I am a <u>Project Manager of NotificationMaps.com</u>. I am over 18 years of age and I am a resident of the County of Orange, State of California.
- 2. On July 25, 2016 I caused to be mailed and/or distributed a copy of notice to the following location(s) :

a.		b.	
	See Attached Mailing List		
	See Attached Envelope		
	1		
c.		d.	

3. The attached list was prepared using the latest available data per the County Assesor's Office.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed <u>07/26/2016</u> at County of Orange, California.

By: Norah Jaffan [Please Print Name]

Name

Address_1	CITY	STATE	ZIPCODE
443 ORANGE AVE #3	LONG BEACH	CA	90802
834 LEES AVE	LONG BEACH	CA	90815
370 TEMPLE AVE #8	LONG BEACH	CA	90814
5260 E LOS FLORES ST	LONG BEACH	CA	90815
2242 E 15TH ST	LONG BEACH	CA	90804
421 MARBORA #102	LONG BEACH	CA	90803
501 SILVERA AVE	LONG BEACH	CA	90803
2420 E 5TH ST #15	LONG BEACH	CA	90814
2420 E 5TH ST #15	LONG BEACH	CA	90814
24867 Basel DR	Crestline	CA	92325
620 CORONADO AVE #9	LONG BEACH	CA	90814
1131 Euclid AVE	LONG BEACH	CA	90804
5221 BROADWAY	LONG BEACH	CA	90803
6304 E VERMONT ST	LONG BEACH	CA	90803
6312 E ELIOT ST	LONG BEACH	CA	90803
6262 E 6TH ST	LONG BEACH	CA	90803
2252 TULANE AVE	LONG BEACH	CA	90815
6219 E 5TH ST	LONG BEACH	CA	90803
6825 E ANAHEIM RD	LONG BEACH	CA	90815
2881 EUCALYPTUS AVE	LONG BEACH	CA	90806
3935 E 8TH ST	LONG BEACH	CA	90804
1863 PATTIZ AVE	LONG BEACH	CA	90815
6313 E ELIOT ST	LONG BEACH	CA	90803
804 STEVELY AVE	LONG BEACH	CA	90815
1049 XIMENO AVE	LONG BEACH	CA	90804
910 FREEMAN AVE #8	LONG BEACH	CA	90804
751 E NEWPORT AVE	LONG BEACH	CA	90804
2400 CALIFORNIA AVE #206	SIGNAL HILL	CA	90755
946 N HOLLY GLEN DR	LONG BEACH	CA	90815
370 DAROCA AVE	LONG BEACH	CA	90803
4501 N BELLFLOWER BLVD#4	LONG BEACH	CA	90808
6250 E 5TH ST	LONG BEACH	CA	90803
6238 E MONITA ST	LONG BEACH	CA	90803
3432 VOLK AVE	LONG BEACH	CA	90808
263 LA VERNE AVE #3	LONG BEACH	CA	90803
2152 1/2 LOCUST AVE	LONG BEACH	CA	90806
2407 E OCEAN BLVD	LONG BEACH	CA	90803

791 SALIDA AVE	LONG BEACH	CA	90815
2354 MARWICK AVE	LONG BEACH	CA	90815
532 ALMOND AVE	LONG BEACH	CA	90802
1360 REDONDO AVE #304	LONG BEACH	CA	90804
3714 N GREENBRIER RD	LONG BEACH	CA	90808
1080 GLADYS AVE	LONG BEACH	CA	90804
2754 E MARIQUITA ST	LONG BEACH	CA	90803
845 DAWSON AVE	LONG BEACH	CA	90804
310 WISCONSIN AVE #1	LONG BEACH	CA	90814
872 STEVELY AVE	LONG BEACH	CA	90815
3521 FANWOOD AVE	LONG BEACH	CA	90808
2515 HAYES AVE	LONG BEACH	CA	90810
501 SILVERA AVE	LONG BEACH	CA	90803
3910 E 11TH ST #3	LONG BEACH	CA	90804
905 MOLINO AVE	LONG BEACH	CA	90804
1418 LIME AVE #A	LONG BEACH	CA	90813
590 Holbrook Ct 101	Long Beach	CA	90803
1460 E WILLOW ST #207	SIGNAL HILL	CA	90755
1643 PACIFIC AVE #213	LONG BEACH	CA	90813
236 WISCONSIN AVE #5	LONG BEACH	CA	90803
1151 E 20TH ST	LONG BEACH	CA	90806
1366 JUNIPERO AVE #D	LONG BEACH	CA	90804
1092 GLADYS AVE #1	LONG BEACH	CA	90804
370 DAROCA AVE	LONG BEACH	CA	90803
1386 MARTIN LUTHER KING JR AVE #1	LONG BEACH	CA	90813
630 WAKEFIELD CT #103	LONG BEACH	CA	90803
4229 KNOXVILLE AVE	LAKEWOOD	CA	90713
2109 RUTGERS AVE	LONG BEACH	CA	90815
864 W 31ST ST	LONG BEACH	CA	90806
1417 E 3RD ST #5	LONG BEACH	CA	90802
4519 E CERVATO ST	LONG BEACH	CA	90815
6298 E MARINA VIEW DR	LONG BEACH	CA	90803
4144 E MENDEZ ST #213	LONG BEACH	CA	90815
6087 LOYNES DR	LONG BEACH	CA	90803
6087 LOYNES DR	LONG BEACH	CA	90803
804 STEVELY AVE	LONG BEACH	CA	90815
2333 STEARNLEE AVE	LONG BEACH	CA	90815
2680 STANBRIDGE AVE	LONG BEACH	CA	90815

5472 E OLETA ST	LONG BEACH	CA	90815
7199 ISLAND VILLAGE DR	LONG BEACH	CA	90803
2103 N GREENBRIER RD	LONG BEACH	CA	90815
279 BAY SHORE AVE	LONG BEACH	CA	90803
3118 LEES AVE	LONG BEACH	CA	90808
903 CERRITOS AVE #A	LONG BEACH	CA	90813
14 WINDJAMMER CT	LONG BEACH	CA	90803
1452 PETERSON AVE	LONG BEACH	CA	90813
1147 MAGNOLIA AVE	LONG BEACH	CA	90813
4501 E ANAHEIM ST #5	LONG BEACH	CA	90804
3020 PATTIZ AVE	LONG BEACH	CA	90808
1314 ROYCROFT AVE #2	LONG BEACH	CA	90804
6803 E DRISCOLL ST	LONG BEACH	CA	90815
2037 PETALUMA AVE	LONG BEACH	CA	90815
431 DAWSON AVE #3	LONG BEACH	CA	90814
3114 E 6TH ST #4	LONG BEACH	CA	90814
350 MAGNOLIA AVE	LONG BEACH	CA	90802
1338 E 8TH ST	LONG BEACH	CA	90813
1338 E 8TH ST	LONG BEACH	CA	90813
2691 PASADENA AVE #10	LONG BEACH	CA	90806
6311 E BIXBY HILL RD	LONG BEACH	CA	90815
4007 FAIRMAN ST	LAKEWOOD	CA	90712
340 MARGO AVE	LONG BEACH	CA	90803
6305 E ELIOT ST	LONG BEACH	CA	90803
4229 KNOXVILLE AVE	LAKEWOOD	CA	90713
2103 N GREENBRIER RD	LONG BEACH	CA	90815
7155 SEAWIND DR	LONG BEACH	CA	90803
6840 E 11TH ST	LONG BEACH	CA	90815
4729 PEPPERWOOD AVE	LONG BEACH	CA	90808
830 GARDENIA AVE	LONG BEACH	CA	90813
2125 DELTA AVE	LONG BEACH	CA	90810
2321 LOCUST AVE	LONG BEACH	CA	90806
2407 E OCEAN BLVD	LONG BEACH	CA	90803
377 ORIZABA AVE	LONG BEACH	CA	90814
7002 E EL CEDRAL ST	LONG BEACH	CA	90815
3717 E 2ND ST #2	LONG BEACH	CA	90803
1141 BENNETT AVE #4	LONG BEACH	CA	90804
1094 DAWSON AVE	LONG BEACH	CA	90804

1630 PARK AVE #1	LONG BEACH	CA	90815
6016 BIXBY VILLAGE DR #52	LONG BEACH	CA	90803
6324 E MARIQUITA ST	LONG BEACH	CA	90803
1102 ORIZABA AVE	LONG BEACH	CA	90804
7199 ISLAND VILLAGE DR	LONG BEACH	CA	90803
6224 E VISTA ST	LONG BEACH	CA	90803
370 TEMPLE AVE #8	LONG BEACH	CA	90814
6248 RIVIERA CIR	LONG BEACH	CA	90815
4744 HAYTER AVE	LAKEWOOD	CA	90712
380 LAURINDA AVE	LONG BEACH	CA	90803
6540 E DE LEON ST	LONG BEACH	CA	90815
6901 E 11TH ST	LONG BEACH	CA	90815
1740 FREEMAN AVE #4	LONG BEACH	CA	90804
749 GARDENIA AVE #101	LONG BEACH	CA	90813
421 MARBORA #102	LONG BEACH	CA	90803
6841 E SEPTIMO ST	LONG BEACH	CA	90815
901 LINDEN AVE #19	LONG BEACH	CA	90813
2823 MONTAIR AVE	LONG BEACH	CA	90815
111 1/2 GLENDORA AVE	LONG BEACH	CA	90803
4531 MONTAIR AVE #A7	LONG BEACH	CA	90808
350 MAGNOLIA AVE	LONG BEACH	CA	90802
1020 1/2 MARTIN LUTHER KING JR AVE	LONG BEACH	CA	90813
1088 OHIO AVE #7	LONG BEACH	CA	90804
1126 GLADYS AVE #302	LONG BEACH	CA	90804
535 TREMONT AVE #1	LONG BEACH	CA	90814
751 E NEWPORT AVE	LONG BEACH	CA	90804
6540 E DE LEON ST	LONG BEACH	CA	90815
865 ROXANNE AVE	LONG BEACH	CA	90815
877 LEES AVE	LONG BEACH	CA	90815
6800 E 11TH ST	LONG BEACH	CA	90815
6300 E ELIOT ST	LONG BEACH	CA	90803
707 N LARIAT CIR	LONG BEACH	CA	90815
6845 DELTA AVE	LONG BEACH	CA	90805
370 DAROCA AVE	LONG BEACH	CA	90803
2506 E WILLOW ST #104	SIGNAL HILL	CA	90755
700 E OCEAN BLVD #606	LONG BEACH	CA	90802
4729 PEPPERWOOD AVE	LONG BEACH	CA	90808
6346 CHARLWOOD ST	LAKEWOOD	CA	90713

1910 RAYMOND AVE	SIGNAL HILL	CA	90755
12014 Allard ST	Norwalk	CA	90650
2227 ROSWELL AVE	LONG BEACH	CA	90815
7199 ISLAND VILLAGE DR	LONG BEACH	CA	90803
6921 E 11TH ST	LONG BEACH	CA	90815
2823 MONTAIR AVE	LONG BEACH	CA	90815
3432 VOLK AVE	LONG BEACH	CA	90808
2881 EUCALYPTUS AVE	LONG BEACH	CA	90806
2772 E 2ND ST #F2	LONG BEACH	CA	90803
2302 E 2ND ST #1F	LONG BEACH	CA	90803
2302 E 2ND ST #1F	LONG BEACH	CA	90803
316 CHERRY AVE #302	LONG BEACH	CA	90802
2033 E 3RD ST #1G	LONG BEACH	CA	90814
339 MOLINO AVE	LONG BEACH	CA	90814
542 DAISY AVE	LONG BEACH	CA	90802
283 E 69TH WAY	LONG BEACH	CA	90805
6211 E MONITA ST	LONG BEACH	CA	90803
2431 CLARK AVE	LONG BEACH	CA	90815
3935 E 8TH ST	LONG BEACH	CA	90804
2338 1/2 ATLANTIC AVE	LONG BEACH	CA	90806
374 OBISPO AVE #3	LONG BEACH	CA	90814
5180 E ATHERTON ST #85	LONG BEACH	CA	90815
738 OLIVE AVE	LONG BEACH	CA	90813
1025 PALO VERDE AVE #25	LONG BEACH	CA	90815
370 LINARES AVE	LONG BEACH	CA	90803
1612 ORIZABA AVE #4	LONG BEACH	CA	90804
4638 COLDBROOK AVE	LAKEWOOD	CA	90713
835 LOCUST AVE #316	LONG BEACH	CA	90813
311 LINARES AVE	LONG BEACH	CA	90803
380 LAURINDA AVE	LONG BEACH	CA	90803
2874 SAN FRANCISCO AVE	LONG BEACH	CA	90806
1050 SAINT LOUIS AVE	LONG BEACH	CA	90804
5930 BIXBY VILLAGE DR #161	LONG BEACH	CA	90803
6093 LOYNES DR	LONG BEACH	CA	90803
556 W 110th th ST	Los Angeles	CA	90044
6429 DENMEAD ST	LAKEWOOD	CA	90713
5909 E PACIFIC COAST HWY #5	LONG BEACH	CA	90803
330 PERALTA AVE	LONG BEACH	CA	90803

6401 BIXBY TERRACE DR	LONG BEACH	CA	90815
6023 LOYNES DR	LONG BEACH	CA	90803
2022 E 17TH ST	LONG BEACH	CA	90804
800 ROSE AVE #311	LONG BEACH	CA	90813
5967 E PACIFIC COAST HWY #14	LONG BEACH	CA	90803
1825 E TYROL PL	ANAHEIM	CA	92805
1390 HACKETT AVE	LONG BEACH	CA	90815
23 LOMA AVE	LONG BEACH	CA	90803
2923 YEARLING ST	LAKEWOOD	CA	90712
5908 BIXBY VILLAGE DR #41	LONG BEACH	CA	90803
21 ALAMITOS AVE #12	LONG BEACH	CA	90802
2741 E 2ND ST	LONG BEACH	CA	90803
845 DAWSON AVE	LONG BEACH	CA	90804
6250 E 5TH ST	LONG BEACH	CA	90803
1510 JUNIPERO AVE	LONG BEACH	CA	90804
5718 OLIVA AVE	LAKEWOOD	CA	90712
5147 E EL ROBLE ST	LONG BEACH	CA	90815
6803 E DRISCOLL ST	LONG BEACH	CA	90815
1109 E 15TH ST	LONG BEACH	CA	90813
1109 E 15TH ST	LONG BEACH	CA	90813
6260 BEACHCOMBER DR	LONG BEACH	CA	90803
2546 COTA AVE	LONG BEACH	CA	90810
1529 E 1ST ST	LONG BEACH	CA	90802
5480 E ATHERTON ST #2	LONG BEACH	CA	90815
601 JOHN K DR #102	LONG BEACH	CA	90803
872 STEVELY AVE	LONG BEACH	CA	90815
1083 ORANGE AVE	LONG BEACH	CA	90813
6248 RIVIERA CIR	LONG BEACH	CA	90815
2560 OREGON AVE	LONG BEACH	CA	90806
2351 STANLEY AVE	SIGNAL HILL	CA	90755
1900 E OCEAN BLVD #918	LONG BEACH	CA	90802
610 ROSE AVE	LONG BEACH	CA	90802
6610 TURNERGROVE DR	LAKEWOOD	CA	90713
400 LAURINDA AVE	LONG BEACH	CA	90803
4002 E GRENORA WAY	LONG BEACH	CA	90815
9542 1/2 OAK ST	BELLFLOWER	CA	90706
6224 E VISTA ST	LONG BEACH	CA	90803
5151 E HARCO ST	LONG BEACH	CA	90808

1273 E 1st ST #1	Long Beach	CA	90802
2225 E 10TH ST #201	LONG BEACH	CA	90802
370 LINARES AVE	LONG BEACH	СА	90803
1024 FREEMAN AVE #3A	LONG BEACH	CA	90804
120 GRAND AVE #206	LONG BEACH	CA	90803
390 LAURINDA AVE	LONG BEACH	СА	90803
7139 ISLAND VILLAGE DR	LONG BEACH	CA	90803
6300 E ELIOT ST	LONG BEACH	CA	90803
1529 E 1ST ST	LONG BEACH	CA	90802
1021 LOMA AVE #1	LONG BEACH	CA	90804
3690 COUNTRY CLUB DR #A	LONG BEACH	CA	90807
3150 ELM AVE	LONG BEACH	CA	90807
1605 TEMPLE AVE	LONG BEACH	CA	90804
4758 OLIVA AVE	LAKEWOOD	CA	90712
621 WAKEFIELD CT #101	LONG BEACH	CA	90803
555 Maine AVE #232	LONG BEACH	CA	90802
3779 IROQUOIS AVE	LONG BEACH	CA	90808
7002 E EL CEDRAL ST	LONG BEACH	CA	90815
1802 N STUDEBAKER RD	LONG BEACH	CA	90815
827 OLIVE AVE	LONG BEACH	CA	90813
6211 E MONITA ST	LONG BEACH	CA	90803
1740 N STANTON PL #10	LONG BEACH	CA	90804
3317 E WILTON ST #29	LONG BEACH	CA	90804
1108 TERMINO AVE #202	LONG BEACH	CA	90804
2321 LOCUST AVE	LONG BEACH	CA	90806
108 N LORETA WALK	LONG BEACH	CA	90803
209 E SOUTH ST	LONG BEACH	CA	90805
6300 E COLORADO ST	LONG BEACH	CA	90803
7180 ISLAND VILLAGE DR	LONG BEACH	CA	90803
5920 BIXBY VILLAGE DR #120	LONG BEACH	CA	90803
6840 E 11TH ST	LONG BEACH	CA	90815
3432 VOLK AVE	LONG BEACH	CA	90808
66 WINDJAMMER CT	LONG BEACH	CA	90803
330 PERALTA AVE	LONG BEACH	CA	90803
834 LEES AVE	LONG BEACH	CA	90815
779 SALIDA AVE	LONG BEACH	CA	90815
377 ORIZABA AVE	LONG BEACH	CA	90814
421 MARBORA #102	LONG BEACH	CA	90803

2103 N GREENBRIER RD	LONG BEACH	CA	90815
840 N HILLSIDE DR	LONG BEACH	CA	90815
1025 PALO VERDE AVE #37	LONG BEACH	CA	90815
6311 E BIXBY HILL RD	LONG BEACH	CA	90815
1704 GAVIOTA AVE	LONG BEACH	CA	90813
4007 FAIRMAN ST	LAKEWOOD	CA	90712
2902 DASHWOOD ST	LAKEWOOD	CA	90712
470 LINARES AVE	LONG BEACH	CA	90803
12014 Allard ST	Norwalk	CA	90650
791 SALIDA AVE	LONG BEACH	CA	90815
5472 E OLETA ST	LONG BEACH	CA	90815
380 PERALTA AVE	LONG BEACH	CA	90803
4501 N BELLFLOWER BLVD#4	LONG BEACH	CA	90808
2852 SILVA ST	LAKEWOOD	CA	90712
300 W OCEAN BLVD #6302	LONG BEACH	CA	90802
620 CORONADO AVE #9	LONG BEACH	CA	90814
620 CORONADO AVE #9	LONG BEACH	CA	90814
829 LEES AVE	LONG BEACH	CA	90815
3099 W Chapman AVE #452	Orange	CA	92868
2471 HAYES AVE	LONG BEACH	CA	90810
2367 ATLANTIC AVE	LONG BEACH	CA	90806
6861 E LEES WAY	LONG BEACH	CA	90815
2913 E 3RD ST	LONG BEACH	CA	90814
4775 E PACIFIC COAST HWY #205	LONG BEACH	CA	90804
4723 E CERVATO ST	LONG BEACH	CA	90815
551 PITTSFIELD CT #101	LONG BEACH	CA	90803
257 NEWPORT AVE	LONG BEACH	CA	90803
1154 CEDAR AVE #C	LONG BEACH	CA	90813
1538 1/2 W 84th ST	Los Angeles	CA	90047
610 ROSE AVE	LONG BEACH	CA	90802
865 ROXANNE AVE	LONG BEACH	CA	90815
5971 E PACIFIC COAST HWY #13	LONG BEACH	CA	90803
5971 E PACIFIC COAST HWY #13	LONG BEACH	CA	90803
431 PERALTA AVE	LONG BEACH	CA	90803
431 PERALTA AVE	LONG BEACH	CA	90803
1025 PALO VERDE AVE #29	LONG BEACH	CA	90815
5955 PACIFIC COAST HWY #9	LONG BEACH	CA	90803
2238 BELMONT AVE	LONG BEACH	CA	90815

6861 E SEPTIMO ST	LONG BEACH	CA	90815
4213 PIXIE AVE	LAKEWOOD	CA	90712
1050 SAINT LOUIS AVE	LONG BEACH	CA	90804
1150 E 16TH ST	LONG BEACH	CA	90813
2150 OHIO AVE #A	SIGNAL HILL	CA	90755
2150 OHIO AVE #A	SIGNAL HILL	CA	90755
5936 BIXBY VILLAGE DR #194	LONG BEACH	CA	90803
2236 WALNUT AVE	SIGNAL HILL	CA	90755
311 LINARES AVE	LONG BEACH	CA	90803
7120 E STEARNS ST	LONG BEACH	CA	90815
1111 ORIZABA AVE #A	LONG BEACH	CA	90804
1811 N GREENBRIER RD	LONG BEACH	CA	90815
2501 SAN FRANCISCO AVE	LONG BEACH	CA	90806
2269 GRAND AVE	LONG BEACH	CA	90815
1435 WALNUT AVE #1	LONG BEACH	CA	90813
1321 QUINCY AVE	LONG BEACH	CA	90804
1321 QUINCY AVE	LONG BEACH	CA	90804
2449 E 14TH ST	LONG BEACH	CA	90804
6961 EUREKA AVE	LONG BEACH	CA	90805
5906 BIXBY VILLAGE DR #34	LONG BEACH	CA	90803
926 LOCUST AVE #305	LONG BEACH	CA	90813
2421 PASADENA AVE	LONG BEACH	CA	90806
2911 E THERESA ST #4	LONG BEACH	CA	90814
2828 E MARIQUITA ST #10	LONG BEACH	CA	90803
5916 BIXBY VILLAGE DR #91	LONG BEACH	CA	90803
381 LAURINDA AVE	LONG BEACH	CA	90803
6921 E 11TH ST	LONG BEACH	CA	90815
421 W BROADWAY #3113	LONG BEACH	CA	90802
3250 CEDAR AVE	LONG BEACH	CA	90806
1070 CHESTNUT AVE #9	LONG BEACH	CA	90813
5934 BIXBY VILLAGE DR #187	LONG BEACH	CA	90803
645 LAUSINDA AVE	LONG BEACH	CA	90803
6 Hutton Centre Drive, Suite 700	Santa Ana	CA	92707

Ms. Vicky Lee Air Quality Engineer South Coast Air Quality Management District 21865 E. Copley Drive Diamond Bar, California 91765-4178



To The Parent / Guardian of The Student At Kettering Elementary School 1863 Pattiz Ave Long Beach CA 90815-3619

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