



South Coast Air Quality Management District

CEQA Scoping Meeting: Quemetco Capacity Upgrade Project

September 13, 2018
6:00 p.m. to 8:00 p.m.

Hacienda Heights Community Center
1234 Valencia Avenue, Hacienda Heights, CA 91745

Who is SCAQMD?

- Regional air pollution control agency
- Responsible for regulating air emissions from stationary sources
- Evaluates applications and issues air quality permits, if project meets all rule requirements

Introduction

- Quemetco is a battery recycling facility located at 720 S. 7th Avenue, City of Industry, CA 91746
- Applications for the proposed project were submitted to the SCAQMD requesting modifications to permits
- This project is subject to the California Environmental Quality Act (CEQA)
- SCAQMD is responsible for preparing the CEQA document
- SCAQMD is responsible for evaluating the proposed modifications and has discretion to approve the project and issue permits

Other Agencies Involved

- Department of Toxic Substance Control (DTSC)
- California Department of Transportation (CalTrans)
- City of Industry
- Los Angeles County Fire Department (LACFD)
- Los Angeles County Health Department
- Los Angeles County Department of Public Works
- Los Angeles County Sanitation District (LACSD)
- Regional Water Quality Control Board (RWQCB)

Battery Recycling at Quemetco

- Recycle batteries from cars and household uses
- Used batteries are crushed and melted
- Recovers lead and other materials
- Only battery recycling facility in the U.S. west of the Rocky Mountains

SCAQMD Rules and Regulations

- Toxic Rules
 - ✓ Restricts emissions of lead, arsenic, benzene, and 1,3-butadiene
- Requires Air Pollution Control Equipment
 - ✓ Scrubber (NO_x and SO_x)
 - ✓ Regenerative Thermal Oxidizer (VOC)
 - ✓ WESP and baghouses (PM)
- Requires Monitoring Devices
 - ✓ Continuous Emission Monitoring System (CEMS)
 - ✓ Fenceline monitoring

Proposed Project

- Quemetco Capacity Upgrade Project proposes to:
 - ✓ Modify the rotary feed drying furnace feed rate limit from 600 to 750 tons per day (tpd)
 - ✓ Increase the total coke material processed in rotary feed drying furnace and reverberatory furnace from 600,000 to 750,000 pounds per month
 - ✓ Allow use of petroleum coke as smelting reagent
 - ✓ Allow the rotary feed drying furnace and reverberatory furnace to operate up to 24 hours per day, as needed
 - ✓ Increase refined lead product output from 460 to 575 tpd

Summary of Proposed Project (1 of 3)

	2014 Baseline Conditions (pre-Project)	Proposed Project (post-Project)	Post-Project Increment
Feed Stock Process Limits in Permits (tons/day)	600	750	150
CEQA Evaluation Scenario of Feed Stock Process Limits (tons/day)	510	750	240
Feed Stock Process Limits (tons/month)	15,340	21,099	5,759
<u>Additives (tons/month):</u>			
1) Smelting Reagents/Total Coke Material Processed in Rotary Feed Drying Furnace & Reverberatory Furnace	224	338	114
a. Calcined Coke	224		-224
b. Petroleum Coke*		338	338
2) Limestone	73	116	43
3) Cobbled Steel	286	401	114
4) Other additives**	156	159	4

* Petroleum coke usage during the 2016 Research Permit Test Program was 115,720 pounds or approximately 58 tons.

** The amount and type of other additives that may be used are determined by the customer and can consist of arsenic, caustic soda beads, cobalt, metallic sodium, pyrite, red phosphorus, silver, sodium nitrate, sulfur and tin.

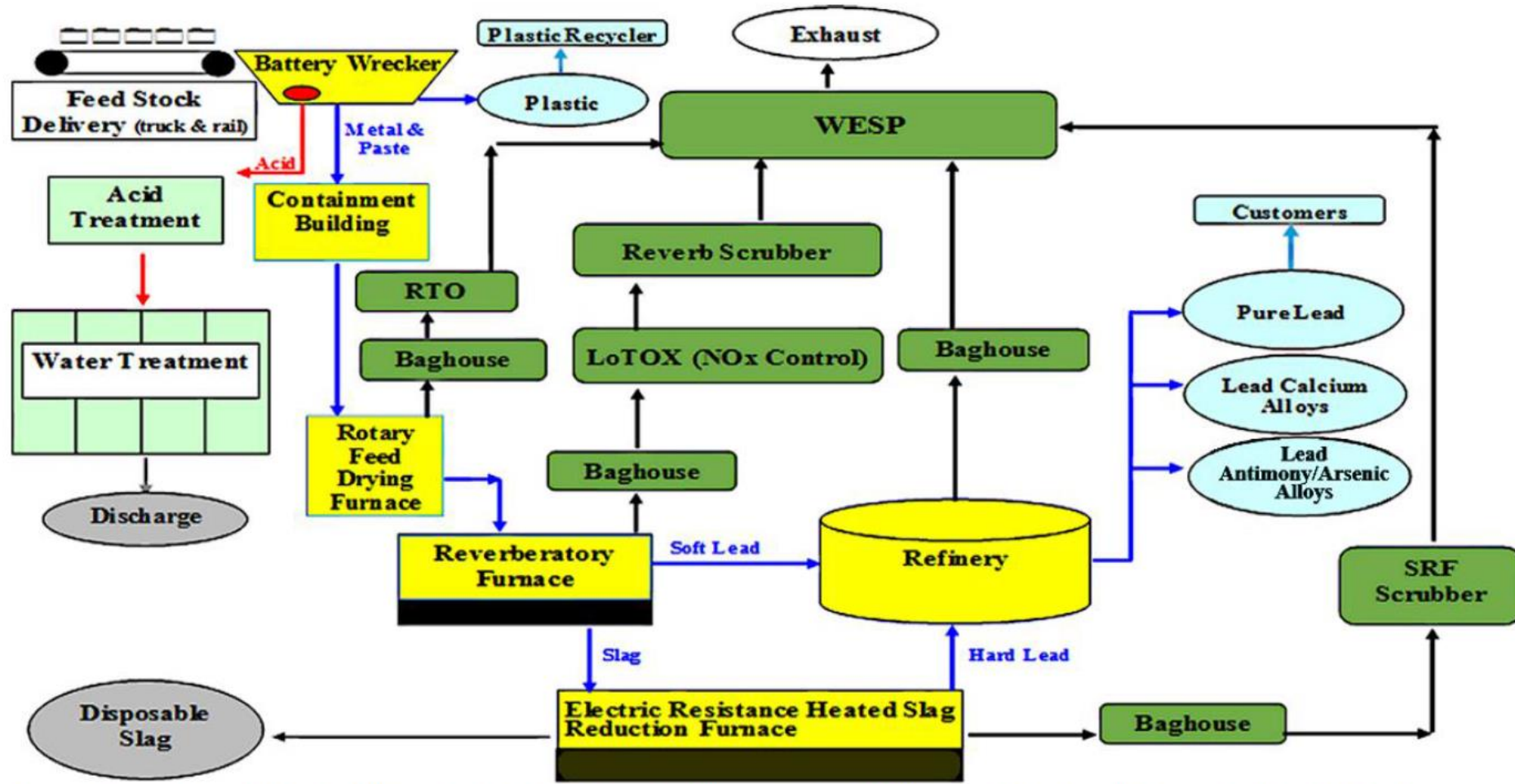
Summary of Proposed Project (2 of 3)

	2014 Baseline Conditions (pre-Project)	Proposed Project (post-Project)	Post-Project Increment
Soda Ash (tons/month)	1,771	2,654	883
Electricity Consumption (annual KWh)	38,912,004	52,009,717	13,097,713
Natural Gas Consumption (annual Cubic Feet (CCF))	2,750,998	3,610,761	859,773
Railcars Activity Per Month:			
Inbound	2	3	1
Outbound	8	10	2
TOTAL	10	13	3
Railcar Peak Day Trips (one-way)	2	2	0
Potable Water Consumed (gallons per day)	272,022	369,435	97,413
Wastewater Generated (gallons per day)	193,019	275,329	82,310

Summary of Proposed Project (3 of 3)

	2014 Baseline Conditions (pre-Project)	Proposed Project (post-Project)	Post-Project Increment
Solid Wastes (tons/year):			
Metals (recycled)	1,613	1,892	252
Plastics (recycled)	6,340	9,440	3,100
Slag (landfilled)	11,232	15,346	4,114
Truck Activity Per Month:			
Inbound	1,084	1,409	325
Outbound	531	621	90
TOTAL	1,615	2,030	415
Peak Daily Trucks (Inbound + Outbound)	53	67	14
Number of Employees	244	250	6
Peak Daily Employee Trips (Inbound + Outbound)	244	250	6

Quemetco's Process and Air Flow Diagram

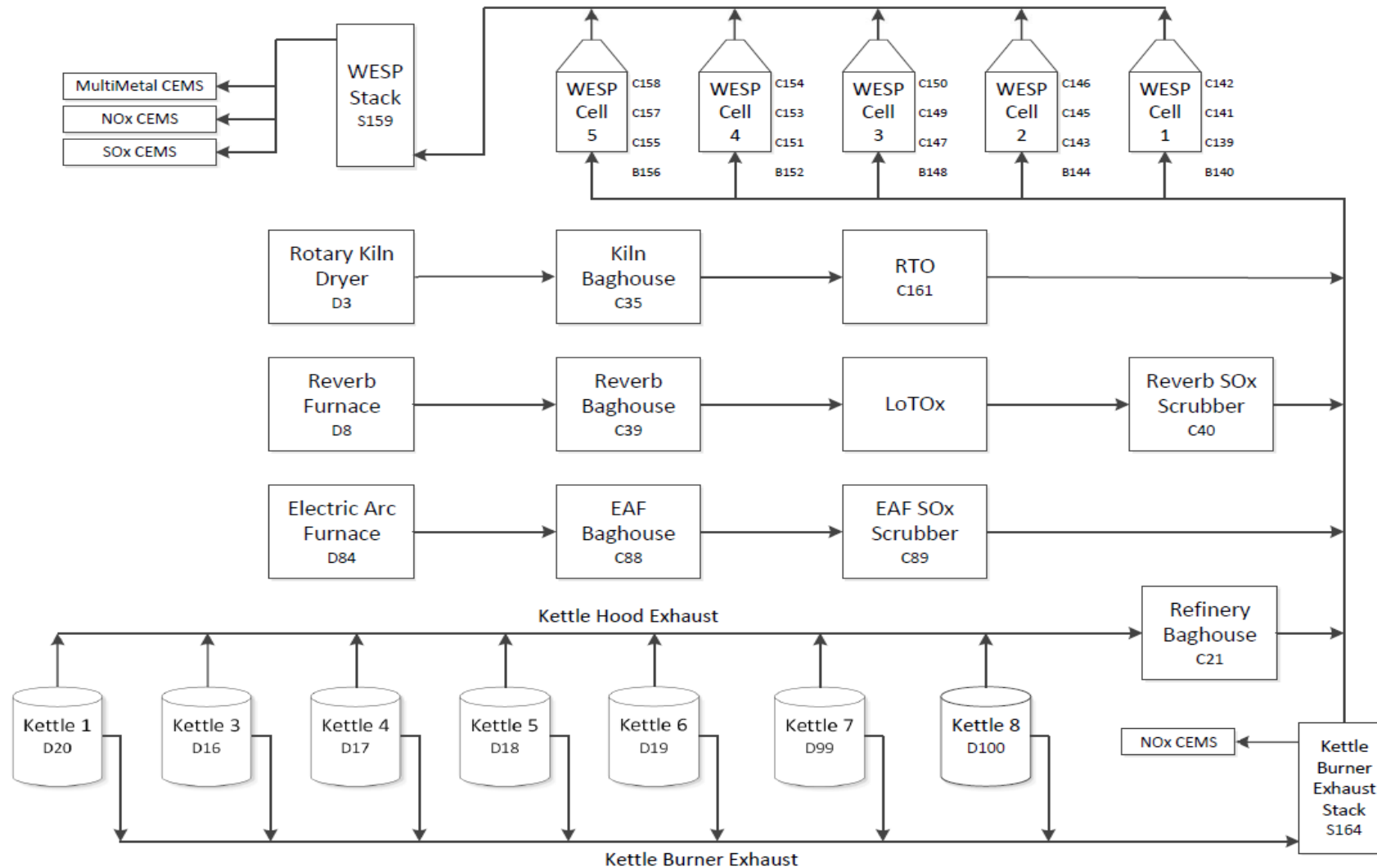


Notes: Operations in yellow = building under negative pressure, dark green = air pollution control system, light green = liquid effluent treatment, light blue = outgoing product, grey = waste streams. Lines in dark blue = lead material flow, black = air flow, red = acid, grey = waste streams, light blue = outgoing products.

Quemetco's Air Pollution Control Systems



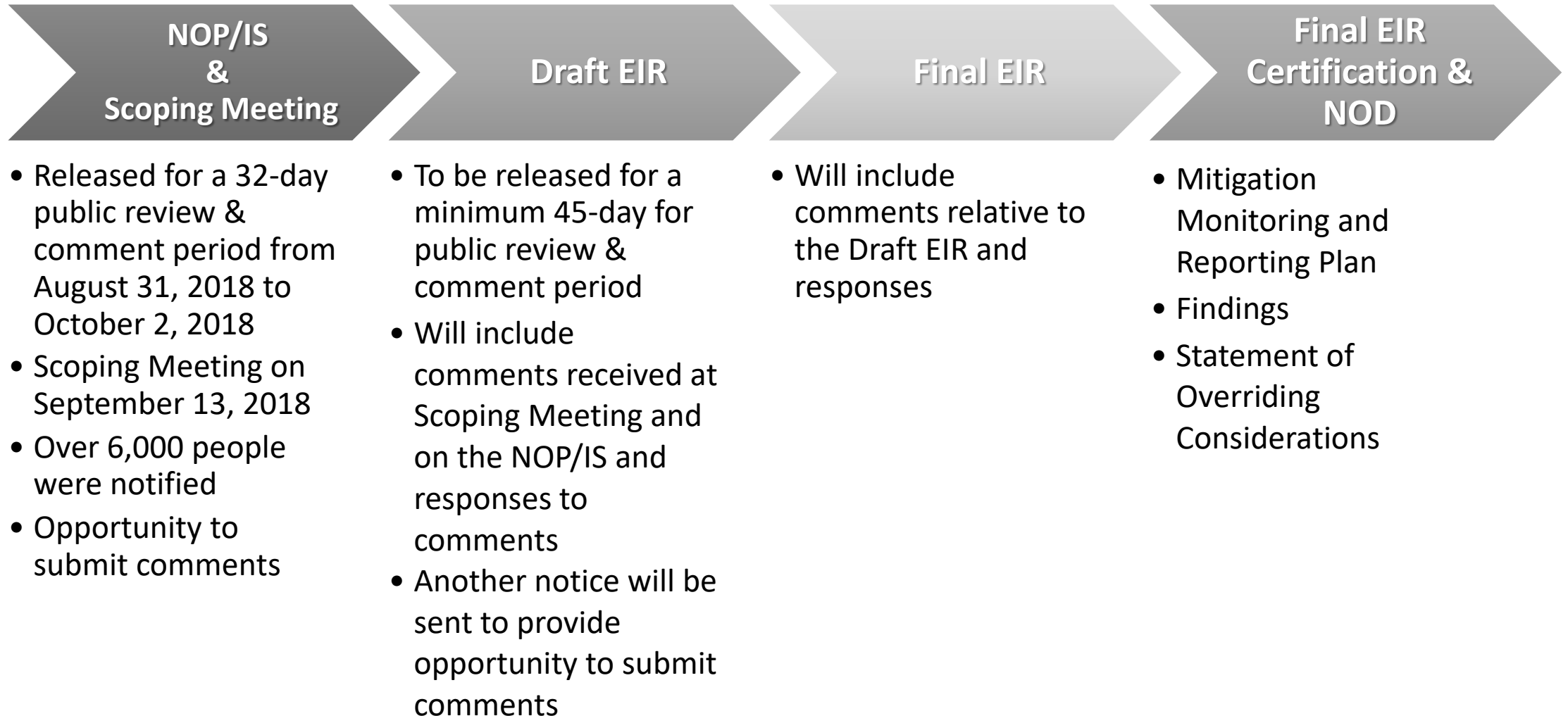
Facility Emissions Flow Diagram



Project is Subject to CEQA

- State law
- Evaluates 17 environmental topics
- Topics considered potentially significant (will be analyzed in Draft EIR)
 - ✓ Air Quality and Greenhouse Gases
 - ✓ Energy
 - ✓ Hazards and Hazardous Materials
 - ✓ Hydrology and Water Quality

CEQA Process



CEQA Scoping Meeting

- Required for projects with potentially significant environmental impacts
- Typically held during Notice of Preparation/Initial Study (NOP/IS) comment period
- Opportunity for the public, other agencies, and interested parties to find out more about proposed project and to provide suggestions on:
 - ✓ Mitigation Ideas
 - ✓ Project Alternatives
- Comments at CEQA Scoping will be considered when preparing Draft Environmental Impact Report (EIR)



Notice of Preparation/Initial Study (1 of 3)

- Prepared by SCAQMD
- Kicks off the CEQA process
- First opportunity for the public, other agencies and interested parties to participate and provide comments
- NOP/IS can be accessed online at http://www.aqmd.gov/docs/default-source/ceqa/documents/permit-projects/2018/2018-quemetco-nop_is-august-30_2018.pdf
- Hardcopies can be obtained at Scoping Meeting, at SCAQMD Headquarters, or by calling 909.396.2039

Notice of Preparation/Initial Study (2 of 3)

- Chapter 1 provides background information and project description
- Chapter 2 identifies and analyzes environmental topics/impacts
- Environmental topics that are potentially significant and will be analyzed in the future Draft EIR:
 - ✓ Air Quality and Greenhouse Gases
 - ✓ Energy
 - ✓ Hazards and Hazardous Materials
 - ✓ Hydrology and Water Quality
- Environmental topics that are NOT expected to be significantly impacted:
 - ✓ Aesthetics, Agricultural Resources, Biological Resources, Cultural Resources, Geology and Soils, Land Use and Planning, Mineral Resources, Noise, Population and Housing, Public Services, Recreation, Solid and Hazardous Waste, and Transportation and Traffic



Notice of Preparation/Initial Study (3 of 3)

- NOP/IS released for 32-day public review period from August 31, 2018 to October 2, 2018
- Comments on NOP/IS will be considered when preparing Draft EIR
- Comments on the NOP/IS may be submitted to the SCAQMD no later than 5:00 p.m. October 2, 2018 to:
 - By Mail: Attn: Ms. Diana Thai
South Coast AQMD
21865 Copley Drive
Diamond Bar, CA 91765
 - By Email: dthai@aqmd.gov
 - By Fax: 909.396.3982

Draft Environmental Impact Report (EIR)

- Draft EIR includes:
 - ✓ Project description
 - ✓ Existing setting (physical conditions)
 - ✓ Detailed analysis of environmental topic areas identified in NOP/IS as potentially significant
 - ✓ Mitigation measures to eliminate or reduce significant adverse impacts
 - ✓ Analysis of feasible alternatives to the proposed project
 - ✓ Analysis of cumulative impacts (including past, present, and reasonably foreseeable future projects)
 - ✓ Copy of the NOP/IS
 - ✓ Comments received at CEQA Scoping and responses
 - ✓ Comment received relative to the NOP/IS and responses
 - ✓ Reference materials such as technical studies, calculations, etc.

Final EIR and Project Approval Documents

- Final EIR will include:
 - ✓ Any changes/updates made to the project after the Draft EIR was released for public review and comment
 - ✓ Comments received relative to the Draft EIR and responses
 - ✓ All previous content from the Draft EIR
- Mitigation Monitoring and Reporting Plan
- Findings identifying remaining significant adverse impacts after mitigation is applied
- Statement of Overriding Considerations, if the benefits of the project outweigh any significant adverse impacts