



# Somis Ranch Farmworker Housing Complex

## Draft Environmental Impact Report Appendices

*prepared by*

**Ventura County Resources Management Agency**

Planning Division

800 South Victoria Avenue, L# 1740

Ventura, California 93009

Contact: Justin Bertoline, Senior Planner

*prepared with the assistance of*

**Rincon Consultants, Inc.**

180 North Ashwood Avenue

Ventura, California 93003

**September 2020**

# Appendix A

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Notice of Preparation and Scoping Comments



# Notice of Preparation of an EIR and Notice of Public Scoping Meeting

County of Ventura • Resource Management Agency • Planning Division  
800 S. Victoria Avenue, Ventura, CA 93009-1740 • (805) 654-2478 • [vcrma.org/planning](http://vcrma.org/planning)

## Somis Ranch Farmworker Housing Complex Project

Case No. PL19-0046

The County of Ventura, Resource Management Agency, Planning Division is currently processing an application for a Conditional Use Permit (CUP), Planned Development (PD) Permit, and Tentative Parcel Map (TPM) for the proposed Somis Ranch Farmworker Housing Complex Project (hereafter referred to “proposed project” or “project”). The Planning Division conducted an initial review for the proposed project and determined that the project (individually and/or cumulatively) may result in a significant effect on the environment and that an Environmental Impact Report (EIR) is required in accordance with the California Environmental Quality Act (CEQA). The purpose of this notice is to call your attention to the project and to request your assistance in identifying any issues that the Planning Division should address in the EIR. A description of the proposed project and instructions on how to provide comments on the scope of the EIR are presented below.

**Project Location:** The approximately 36.4-acre project site is located at 2789 Somis Road on Assessor Parcel Number (APN) 156-018-048. The project site is situated just north of the intersection of Somis Road (State Route 34)/Las Posas Road, immediately north of and adjacent to the City of Camarillo. See attached Figures 1 and 2 for the location of the project site.

**Project Description:** The project applicant requests (1) a Tentative Parcel Map (TPM) to authorize the four-lot subdivision of an existing legal lot; (2) a Conditional Use Permit (CUP) to authorize the construction of a community waste water treatment facility (CWWTF); and (3) a Planned Development (PD) Permit to authorize the construction of a 360-unit farmworker housing complex. The proposed farmworker housing complex is intended to be 100 percent affordable to farmworkers who qualify as lower income, which is classified as individuals and families who make 80 percent or below of the area median income.

The project would entail subdivision of the project site into four parcels, three of which would be developed for farmworker housing (approximately 18.5 acres) and one of which would remain in agricultural production (approximately 17.9 acres). The proposed farmworker housing complex would include 360 dwelling units, 654 parking spaces, and amenities such as community centers, play fields, tot lots/playgrounds, picnic tables, barbeques, and a basketball court. See attached Figure 3 for the project site plan. The housing complex would be developed in three phases. Phase 1 would consist of 100 units, Phase 2 would consist of 100 units, and Phase 3 would consist of 160 units. The housing complex would be accessible from two separate driveways off Somis Road (State Route 34). Access and utility easements for the project are shown on TPM 6020.

**POSTED**

APR 07 2020 - \_\_\_\_\_

MARK A. LUNN  
Ventura County Clerk and Recorder

By: \_\_\_\_\_, Deputy

The CWWTF would be phased for expansion to accommodate the planned three-phase construction and occupancy of the housing complex and would be operated by a public sewer agency. Treated effluent quality would meet Disinfected Tertiary Recycled Water requirements in accordance with California Code of Regulations Title 22. The recycled water is proposed for use as off-site agricultural irrigation and any water that cannot be used for agriculture would be dispersed through a series of underground seepage pits.

Electrical service for the proposed housing complex and CWWTF would be provided by Southern California Edison Company and cable and telephone service would be provided by Spectrum. No natural gas service would be provided to the project site. Potable water would be provided to the project site by Ventura County Water Works District No. 19 and fire flow supply would be provided either directly to the project site or through proposed fire water storage tanks and pumps in the vicinity.

**Environmental Topics to be Addressed in the EIR:** Pursuant to Section 15063(a) of the CEQA Guidelines, no Initial Study has been or will be prepared because the Planning Division determined that an EIR is necessary for the project to comply with CEQA. The EIR will address the potential environmental impacts associated with the proposed project. The EIR will consider the full range of environmental topics contemplated under CEQA and the CEQA Guidelines.

Planning Division staff have conducted a preliminary assessment of the proposed project and identified the following issue areas that will require detailed analysis in the EIR:

- Air Quality
- Agricultural Resources – Soils
- Biological Resources
- Cultural Resources – Historic
- Noise and Vibration
- Public Health
- Transportation
- Waste Treatment and Disposal Facilities – Solid Waste Facilities
- Water Resources – Surface Water Quality

The EIR will also analyze alternatives, cumulative impacts, growth-inducing impacts, and other issues required by CEQA. In addition, the EIR will expand on the environmental topics addressed in CEQA and the CEQA Guidelines by addressing the full range of environmental topics contemplated in the County's 2011 Initial Study Assessment Guidelines which are available online at:

<https://www.vcrma.org/ceqa-implementation-and-initial-study-assessment-guidelines>

**30-Day NOP Public Comment Period:** This NOP is available for a 30-day public comment period that is open from April 13, 2020 to May 13, 2020. The purpose of this notice is to call your attention to this project and to request your assistance in identifying any issues that should be addressed by the Planning Division in the EIR. Comments on

the scope of analysis of the EIR must be submitted in writing to Mr. Bertoline no later than 5:00 p.m. on May 13, 2020 to:

**Ventura County Resource Management Agency, Planning Division**  
**Attn.: Justin Bertoline, Senior Planner**  
**800 South Victoria Avenue, L# 1740**  
**Ventura, California 93009-1740**

Alternatively, you may email your comments to Mr. Bertoline at [justin.bertoline@ventura.org](mailto:justin.bertoline@ventura.org) or fax comments to his attention at (805) 654-2509.

**Scoping Meeting:** The Planning Division will hold a scoping meeting on Wednesday, April 22, 2020 from 6:00 p.m. to 8:00 p.m. to inform the public and interested parties about the proposed project and solicit comments on the scope of environmental issues, mitigation measures, and range of reasonable alternatives to be addressed in the EIR. The scoping meeting will be held remotely via Zoom webinar. To access the meeting, please register here: [https://zoom.us/webinar/register/WN\\_InLxk6rHTLWICcuNqHq6yA](https://zoom.us/webinar/register/WN_InLxk6rHTLWICcuNqHq6yA). After registering, you will receive a confirmation email containing information about joining the webinar.

A copy of the NOP is available on the Planning Division website at: <https://www.vcrma.org/somis-ranch-farmworker-housing-project>. The document is also available for review and/or purchase at the Planning Division's public counter on the 3rd floor of the Hall of Administration Building in the Ventura County Government Center located at 800 South Victoria Avenue, Ventura, CA.

All interested persons are invited to provide input regarding the scope of the EIR for the proposed project. If you challenge the above described action in court, you may be limited to raising only those issues you or someone else raised at the Public Hearing described in this Notice, or in written correspondence delivered to the County of Ventura at, or prior to, the Public Hearing. In compliance with the Americans with Disabilities Act, if you need assistance to participate in this meeting, call (805) 654-2805.

If you have questions on the contents of this notice, please contact Justin Bertoline, Senior Planner, at (805) 654-2466 or email at [justin.bertoline@ventura.org](mailto:justin.bertoline@ventura.org).



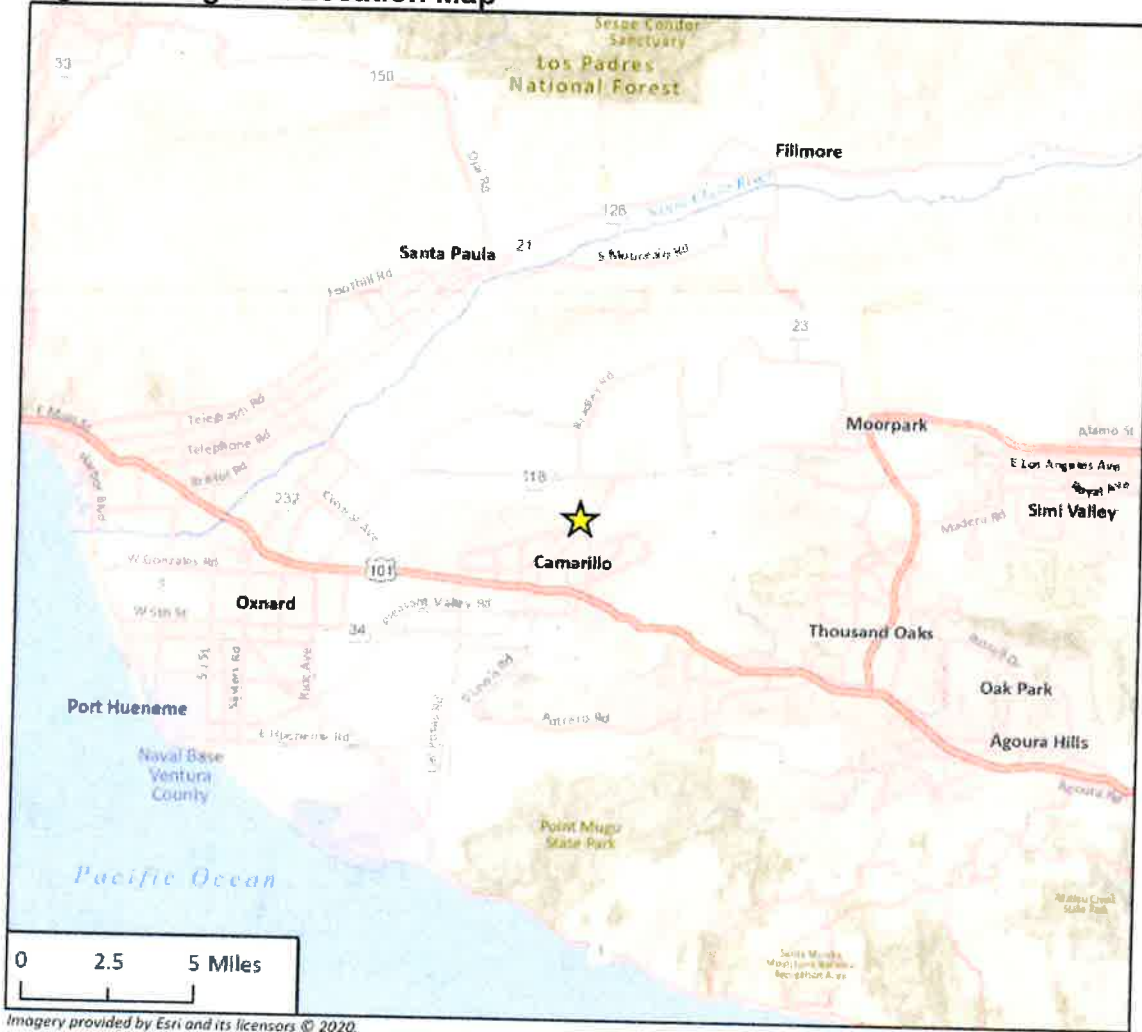
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Dave Ward, AICP, Director  
Ventura County Planning Division

*Attachments:*

*Figure 1. Regional Location Map*

Figure 1. Regional Location Map



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★ Project Location N



Figure 2. Project Vicinity

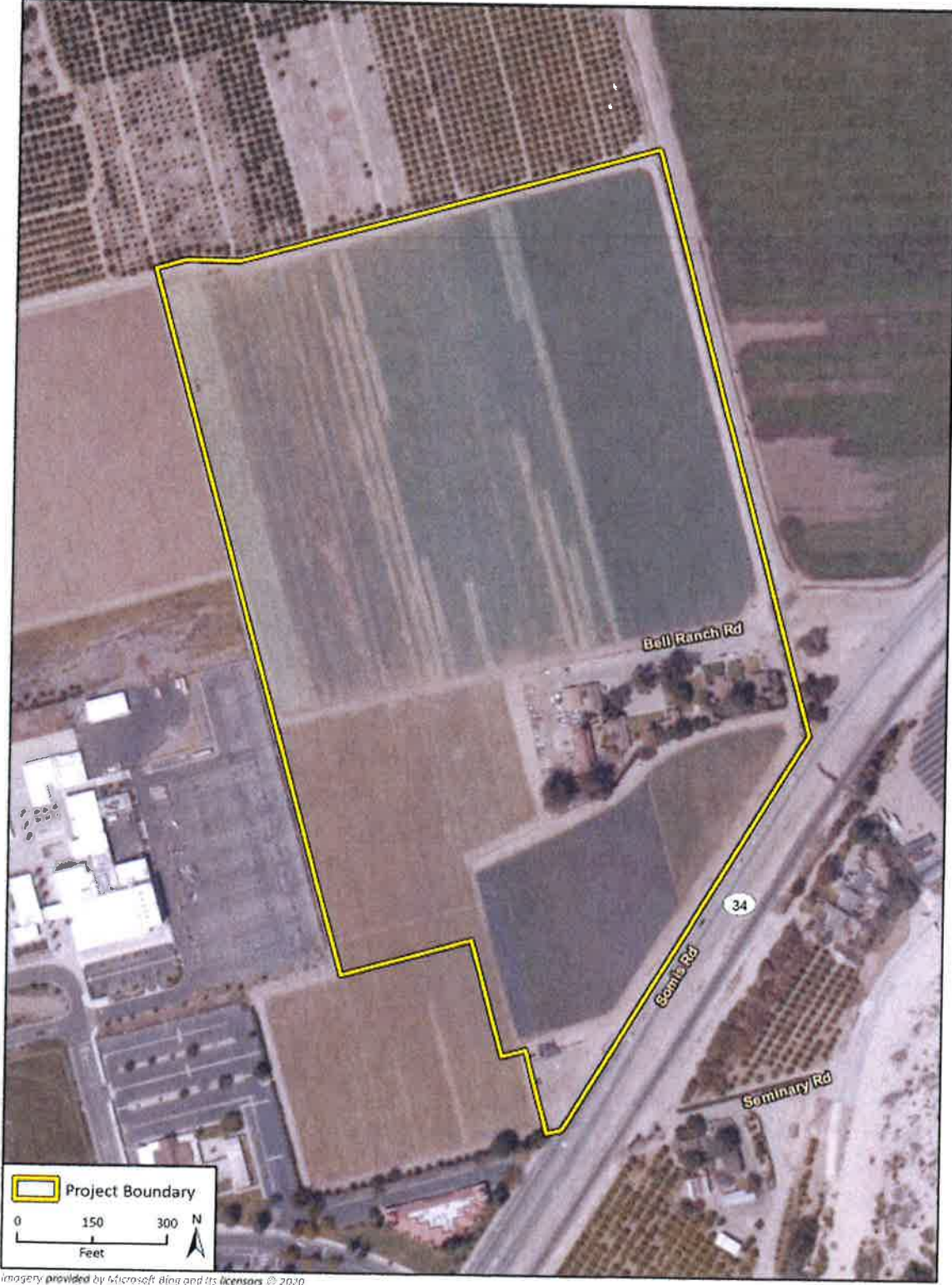
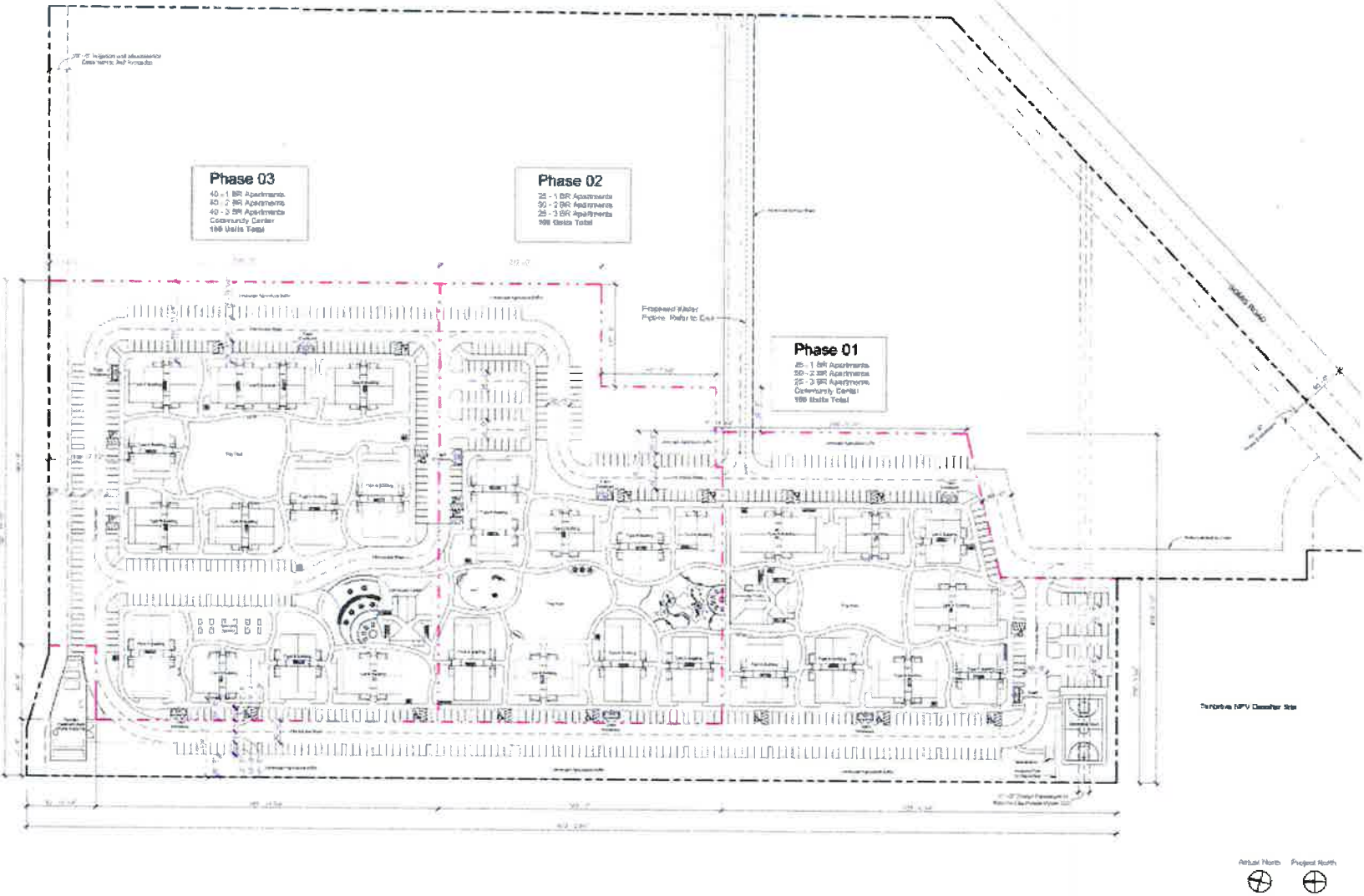


Figure 3. Project Site Plan







**Rincon Consultants, Inc.**

**Carlsbad:** (760) 918 9444  
**Fresno:** (559) 228 9925  
**Los Angeles:** (213) 788 4842  
**Monterey:** (831) 333 0310  
**Oakland:** (510) 834 4455  
**Redlands:** (909) 253 0705  
**Riverside:** (951) 782-0061

**Sacramento:** (916) 706 1374  
**San Diego:** (760) 918 9444  
**San Luis Obispo:** (805) 547 0900  
**Santa Barbara:** (805) 319 4092  
**Santa Cruz:** (831) 440 3899  
**Ventura:** (805) 644 4455

## M E E T I N G N O T E S

**April 22, 2020**  
**6:00 PM Pacific Time**

**Somis Ranch Scoping Meeting**  
Zoom Webinar

### **Attendees**

**County of Ventura:** Mindy Fogg, Justin Bertoline

**Rincon:** Joe Power, Melissa Whittemore, Amanda Antonelli

**Other Panelists:** Bill Teller (Somis Ranch Partners, LLC), Lisa Woodburn (Jensen), Ben Fischetti (WREA), Dave Lewis (County IT staff)

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### **Presentation Agenda**

- I. Project Description
- II. Potential Impacts
- III. CEQA Requirements for EIRs and Scoping Meeting
- IV. CEQA Review Schedule
- V. Contact Information

### **Public Comments and Questions**

**Richard Francis:**

- EIR needs to include discussion of the project's compliance with the County General Plan.
- EIR needs to include discussion of the County's SOAR [Save Open Space and Agricultural Resources] Ordinance.
- Thinks a General Plan Amendment (and Zone Change) is required for the project because the SOAR Ordinance requires that projects comply with General Plan land use designations and zoning ordinances.

*Response from Justin: General Plan consistency will be covered in the Land Use section of EIR. The project does not require a "SOAR vote."*



**Louise Lampara (on behalf of the Ventura County Coalition of Labor, Agriculture, and Business):**

- Supports project. Local agricultural industry and farmworkers are essential.
- Proposed location of project (the Somis community) is an area in Ventura County that meets the criteria for farmworker housing.

**Debra Rice (resident of Somis):**

- Opposes the location of the project.
- Frustrated that there was a program for migrant farmworkers and the County got rid of it.

**Karen Flock:**

- Supports project and proposed location of the project.

**Linda Braunschweiger (resident of Camarillo, near project site):**

- Supports project and proposed location of the project.
- Wants Ventura County to continue supporting the agricultural industry.
- States that there is a substantial shortage of affordable housing in general, and specifically for farmworkers.

**Nicole Gruttadaurio:**

- EIR needs to include discussion of the project's impacts to schools. States that Somis schools cannot support additional students; says Somis elementary school has one classroom per grade.

*Response from Justin: Project locations is within the boundaries of Somis Union School District (for elementary school [grades K-8]) and Oxnard Union High School District (for high school [grades 9-12]).*

**Pat Richards:**

- It is inappropriate to hold a scoping meeting via teleconference during a pandemic. The Governor's order only authorized the use of teleconferencing but did not mandate teleconferencing in lieu of in-person meetings. Many Somis residents have limited internet service.
- The NOP postcard from County says project documents are available at the public counter at the County offices, but the County Government Center is closed [due to the current pandemic]. How is the public supposed to access the Initial Study checklist?
- The project site's APN differs from what is stated on the NOP postcard and the County Assessor's Office. It is understood that the County Assessor has changed the project site's APN. Will this be explained in the EIR?
- EIR needs to analyze growth-inducing impacts of the project.
- The SOAR Ordinance<sup>1</sup> does not make reference to farmworker housing, although a recently added goal in the SOAR Ordinance (Section 3.2.1, *Goals*) promotes "infrastructure" for

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<sup>1</sup> [https://docs.vcrma.org/images/pdf/planning/ordinances/SOAR\\_Measure\\_C\\_2050.pdf](https://docs.vcrma.org/images/pdf/planning/ordinances/SOAR_Measure_C_2050.pdf)



agricultural lands, including farmworker housing. Section 1.6.1, *Goals*, of the SOAR Ordinance does not include farmworker housing.

- The NOP states the proposed wastewater treatment plant would be operated by a public agency. That agency needs to be identified in the EIR.
- Has the State Water Resources Control Board (SWRCB) reviewed the project? What were the SWRCB's comments?
- The project site is zoned for 40-acre residential lots. The County's zoning ordinance does not allow for farmworker housing within the project site's current zoning designation. The project would result in a non-conforming use on the project site. Does the project require a variance?
- Somis School [grades K-8] may not have the capacity to accommodate new students from the project.
- The fire and police departments may not have the resources to accommodate the project.
- Project figures (specifically, Figure 3, *Project Site Plan*) located online are not readable.
- Why isn't the project Initial Study available online?
- Why doesn't the project require a General Plan Amendment? Why isn't that information available online?
- The NOP does not address how much agricultural land would be taken out of production by the project.
- The NOP does not address the cumulative effects on the groundwater basin.
- The project site is close to a creek. The EIR should analyze potential drainage impacts from the project.
- Who received the public notice of the scoping meeting? Did the County follow the standard noticing protocols? Was this noticing enough to receive sufficient participation from the public?

*Response from Justin: The County followed standard procedures regarding distribution of the NOP and notice of scoping meeting. The NOP was distributed via radius mailers\* and to interested parties.*

*\*Note: CEQA §21092(b)(3)(C) requires, as one of three options, "direct mailing to the owners and occupants of contiguous property shown on the latest equalized assessment roll" regarding distributing the NOP for an EIR.*

**Armando Delgado (on behalf of the Southwest Regional Council of Carpenters, Local 805 Chapter [which represents 1,800 members]):**

- Supports the proposed project. Many local farmworker housing complexes are run down and exceed occupancy limits.
- The project would not substantially affect traffic because farmworkers living at the proposed housing complex would have faster access to agricultural operations in Somis and Camarillo.
- Construction noise would only be temporary.
- The project would allow future residents access to nearby healthcare facilities.



- The project would support the local economy. Project construction would help support local jobs.

**Donna Calamia:**

- Opposes the project.
- Concerned about the project effects on the school district[s].
- Concerned about the project effects on traffic.

**Kaycee Gilbert (resident of Somis, near project site):**

- Opposes the project.
- Concerned that the Southwest Regional Council of Carpenters, Local 805 Chapter, supports the project so the chapter can win the work [associated with project construction].
- States that she works at the local hospital; concerned that project would add additional patients to an already overcrowded hospital.
- Concerned about noise impacts from the project.
- Concerned about the project effects on Somis School.

**Eric Flood (on behalf of The Groves community [within Thousand Oaks]):**

- What are the environmental impacts of this project?
- Concerned about traffic impacts from the project.
- Concerned about the ability for adequate public engagement due to conducting a virtual scoping meeting. Concerned that the public's concerns won't be voiced. States that there are not enough people are at the virtual scoping meeting for the County to understand the concerns of the Somis community. He doesn't understand why people from Camarillo weren't calling into the scoping meeting.
- How far out is that ag verification?

**Brett Tibbitts:**

- The assumption that the project does not need voter approval (under the SOAR Ordinance) is not clear.
- People can earn to \$90,000 per year and live at the proposed development. Farmworkers earning \$50,000 per year have been turned down for County housing. What would the developer do to ensure the project is only for farmworkers? There is no information on what the rental payments from the project will go toward. What long-term commitments are in place to ensure the proposed development remains as farmworker housing in perpetuity? If the developer sells the development, what would stop the buyer from changing the proposed complex to non-affordable housing?
- While the community would support farmworker housing, are the project effects transparent to the public?
- Concerned about traffic from the project. Somis Road is currently very impacted. States that the online traffic study is incorrect concluding no impact.



- Concerned about project impacts to water supply. States that the project site currently gets water from District 19, which comes from groundwater; but District 19 currently doesn't provide service to the site. States there is a huge lawsuit going on in District 19; the farmers are suing the County. States there are currently only 815 customers in District 19, so the project would burden the water supplier. States a suggested alternative would be to tie into the Calleguas Municipal Water District water pipelines currently under Somis Road. The project should buy water from Calleguas Municipal Water District.
- The fire department in Somis is currently undersized. States that many insurance companies won't allow property owners to purchase fire insurance because of the small size of the fire department. States that the fire department probably needs to be expanded if this project goes through.
- Concerned about the project's effects on Somis School.

**Shelley Allen (resident of The Groves community [within Thousand Oaks]; background in low-income housing):**

- Concerned that the project is not truly being developed for farmworkers. What are the requirements or screening process that would be used for future residents of the project? Wants to ensure that the developer isn't using the proposed project as a loophole [for a different type of housing complex (i.e., not farmworker housing)].
- Recognizes the importance of farmworker housing. Not opposed to the project. Wants to ensure that future farmworker housing is completed in a "productive" manner. Wants "the project the community needs."
- Opposes moving forward with the project during COVID-19 closures. Prefers in-person meetings to virtual meetings.

**Randy Gilbert:**

- Concerned about the project's impact to high schools.
- Is \$90,000 per year considered low income?
- Why was the project site chosen for the proposed development?
- There is a need for farmworker housing where the farmworkers work, which is not near the project site. Did the farmworkers approve of this location? Farmworkers support business, but there seems to be a need for farmworkers to be closer to the agricultural land on which they work. Why is the project not located closer to where farmworkers actually work?

## Melissa Whittemore

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**From:** Barrera, Baron@Wildlife <Baron.Barrera@Wildlife.ca.gov>  
**Sent:** Tuesday, May 12, 2020 12:01 PM  
**To:** Bertoline, Justin  
**Cc:** Santonil, Malinda@Wildlife; Wilson-Olgin, Erinn@Wildlife; Gibson, Steve@Wildlife; Wildlife CEQA; state.clearinghouse@opr.ca.gov; Galli, Emily@Wildlife  
**Subject:** CDFW Comments for the Somis Ranch Farmworker Housing Complex Project  
**Attachments:** Somis\_Ranch\_Farmworker\_Housing\_Complex\_NOP\_-\_clean.docx.pdf

**CAUTION:** If this email looks suspicious, DO NOT click. Forward to Spam.Manager@ventura.org

Hello Justin,

Attached are California Department of Fish and Wildlife (CDFW) comments on the Notice of Preparation for the Somis Ranch Farmworker Housing Complex Project. Feel free to contact me if you have any questions.

Thank you.

**Note: Due to COVID-19, I will be working remotely, on an intermittent basis. If you need to speak to me via phone, please call my work cell No. (858) 354-4114.**

Best,

**Baron Barrera, M.S.**  
**Environmental Scientist**

California Department of Fish and Wildlife  
South Coast Region  
4665 Lampson Ave., Suite C  
Los Alamitos, CA 90720  
Office: (562) 431-8053  
Cell: (858) 354-4114

State of California – Natural Resources Agency

**GAVIN NEWSOM, Governor**  
**CHARLTON H. BONHAM, Director**

DEPARTMENT OF FISH AND WILDLIFE

South Coast Region  
3883 Ruffin Road  
San Diego, CA 92123  
(858) 467-4201  
[www.wildlife.ca.gov](http://www.wildlife.ca.gov)



May 12, 2020

Mr. Justin Bertoline  
Ventura County  
800 S. Victoria Avenue, L#1740  
Ventura, CA 93009  
[Justin.bertoline@ventura.org](mailto:Justin.bertoline@ventura.org)

**Subject: Notice of Preparation of a Draft Environmental Impact Report for the Somis Ranch Farmworker Housing Complex Project, SCH #2020049020, Ventura County**

Dear Mr. Bertoline:

The California Department of Fish and Wildlife (CDFW) has reviewed the above-referenced Notice of Preparation (NOP) of a Draft Environmental Impact Report (DEIR) for the Somis Ranch Farmworker Housing Complex project (Project). Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, we appreciate the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

#### **CDFW's Role**

CDFW is California's Trustee Agency for fish and wildlife resources and holds those resources in trust by statute for all the people of the State [Fish & Game Code, §§ 711.7, subdivision (a) & 1802; Public Resources Code, § 21070; California Environmental Quality Act (CEQA) Guidelines, § 15386, subdivision (a)]. CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (Id., § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect State fish and wildlife resources.

CDFW is also submitting comments as a Responsible Agency under CEQA (Public Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code, including lake and streambed alteration regulatory authority (Fish & Game Code, § 1600 *et seq.*). Likewise, to the extent implementation of the Project as proposed may result in "take", as defined by State law, of any species protected under the California Endangered Species Act (CESA) (Fish & Game Code, § 2050 *et seq.*), or CESA-listed rare plant pursuant to the Native Plant Protection Act (NPPA; Fish & Game Code, §1900 *et seq.*), CDFW recommends the Project proponent obtain appropriate authorization under the Fish and Game Code.

Mr. Justin Bertoline  
Ventura County  
May 12, 2020  
Page 2 of 7

## Project Description and Summary

**Objective:** Ventura County (County) is proposing the Project, which would authorize the division of one legal lot into four lots, the construction of a community wastewater treatment facility, and the construction of a 360-unit farmworker housing complex. Three of the four lots would be developed for farmworker housing (approximately 18.5 acres), the fourth would remain in place for agricultural production (approximately 17.9 acres). The proposed farmworker housing complex would include 360 dwelling units, 654 parking spaces, and amenities such as community centers, play fields, tot lots/playgrounds, picnic tables, barbeques, and a basketball court. The housing complex would be accessible from two separate driveways off Somis Road (State Route 34).

**Location:** The Project is situated just north of the intersection of Somis Road and Las Posas Road, immediately north of and adjacent to the City of Camarillo. The Project is located on approximately 36.4-acres and is located at 2789 Somis Road, on Assessor Parcel Number (APN) 156-018-048. The nearest body of water is the Arroyo Las Posas River, which is approximately 650 feet east of the Project location.

## Comments and Recommendations

CDFW offers the comments and recommendations below to assist the County in adequately identifying, avoiding and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources.

### Specific Comments

- 1) Nesting Birds. Based on a review of satellite imagery, there may be scattered vegetation throughout the Project site that may provide potential habitat where Project activities may impact nesting birds. Project activities occurring during the breeding season of nesting birds could result in the incidental loss of fertile eggs, or nestlings, or otherwise lead to nest abandonment in trees directly adjacent to the Project boundary. The Project could also lead to the loss of foraging habitat for sensitive bird species.
  - CDFW recommends that measures be taken to avoid Project impacts to nesting birds. Migratory nongame native bird species are protected by international treaty under the Federal Migratory Bird Treaty Act (MBTA) of 1918 (Code of Federal Regulations, Title 50, § 10.13). Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests including raptors and other migratory nongame birds (as listed under the Federal MBTA).
  - Proposed Project activities including (but not limited to) staging and disturbances to native and nonnative vegetation, structures, and substrates should occur outside of the avian breeding season which, in Ventura County, generally runs from January 1 through September 15 to avoid take of birds or their eggs. If avoidance of the avian breeding season is not feasible, CDFW recommends surveys by a qualified biologist with experience in conducting breeding bird surveys to detect protected native birds occurring in suitable nesting habitat that is to be disturbed and (as access to adjacent areas allows) any other such habitat within 300-feet of the disturbance area (within 500-feet for raptors). Project personnel, including all contractors working on



Mr. Justin Bertoline  
Ventura County  
May 12, 2020  
Page 3 of 7

site, should be instructed on the sensitivity of the area. Reductions in the nest buffer distance may be appropriate depending on the avian species involved, ambient levels of human activity, screening vegetation, or possibly other factors.

- 2) Landscaping. As part of this redevelopment plan, landscaping will occur throughout the 36.4-acre site for agricultural and, potentially, aesthetic purposes. Habitat loss and invasive plants are a leading cause of native biodiversity loss. Invasive plant species spread quickly and can displace native plants, prevent native plant growth, and create monocultures. CDFW recommends using native, locally appropriate plant species for landscaping on the Project site. CDFW recommends invasive/exotic plants, such as pampas grass (*Cortaderia selloana*) and salt cedar (*Tamarisk spp.*), be restricted from use in landscape plans for this Project. A list of invasive/exotic plants that should be avoided as well as suggestions for better landscape plants can be found at <https://www.cal-ipc.org/solutions/prevention/landscaping/>
- 3) Biological Baseline Assessment. There is no mention of habitat disturbance in the NOP. Undisturbed land may be considered sensitive habitat or may provide suitable habitat for special status or regionally and locally unique species. CDFW recommends providing a complete assessment and impact analysis of the flora and fauna within and adjacent to the Project area, with emphasis upon identifying endangered, threatened, sensitive, regionally and locally unique species, and sensitive habitats. Impact analysis will aid in determining any direct, indirect, and cumulative biological impacts, as well as specific mitigation or avoidance measures necessary to offset those impacts. CDFW recommends avoiding any sensitive natural communities found on or adjacent to the Project. CDFW also considers impacts to Species of Special Concern a significant direct and cumulative adverse effect without implementing appropriate avoidance and/or mitigation measures. The DEIR should include the following information:
  - a) Information on the regional setting that is critical to an assessment of environmental impacts, with special emphasis on resources that are rare or unique to the region [CEQA Guidelines, § 15125(c)]. The DEIR should include measures to fully avoid and otherwise protect Sensitive Natural Communities from Project-related impacts. Project implementation may result in impacts to rare or endangered plants or plant communities that have been recorded adjacent to the Project vicinity. CDFW considers these communities as threatened habitats having both regional and local significance. Plant communities, alliances, and associations with a state-wide ranking of S1, S2, S3 and S4 should be considered sensitive and declining at the local and regional level. These ranks can be obtained by visiting <https://www.wildlife.ca.gov/Data/VegCAMP/Natural-Communities#sensitive%20natural%20communities>;
  - b) A thorough, recent, floristic-based assessment of special status plants and natural communities, following CDFW's *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities* (CDFW, 2018) (see <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=18959&inline>);
  - c) Floristic, alliance- and/or association-based mapping and vegetation impact assessments conducted at the Project site and within the neighboring vicinity. *The Manual of California Vegetation*, second edition, should also be used to inform this

Mr. Justin Bertoline  
Ventura County  
May 12, 2020  
Page 4 of 7

mapping and assessment (Sawyer, 2008). Adjoining habitat areas should be included in this assessment where site activities could lead to direct or indirect impacts offsite. Habitat mapping at the alliance level will help establish baseline vegetation conditions;

- d) A complete, recent, assessment of the biological resources associated with each habitat type on site and within adjacent areas that could also be affected by the Project. CDFW's CNDDDB in Sacramento should be contacted to obtain current information on any previously reported sensitive species and habitat. CDFW recommends that CNDDDB Field Survey Forms be completed and submitted to CNDDDB to document survey results. Online forms can be obtained and submitted at [http://www.dfg.ca.gov/biogeodata/cnddb/submitting\\_data\\_to\\_cnddb.asp](http://www.dfg.ca.gov/biogeodata/cnddb/submitting_data_to_cnddb.asp);
  - e) A complete, recent, assessment of rare, threatened, and endangered, and other sensitive species on site and within the area of potential effect, including California Species of Special Concern and California Fully Protected Species (Fish & G. Code, §§ 3511, 4700, 5050 and 5515). Species to be addressed should include all those which meet the CEQA definition of endangered, rare or threatened species (CEQA Guidelines, § 15380). Seasonal variations in use of the Project area should also be addressed. Focused species-specific surveys, conducted at the appropriate time of year and time of day when the sensitive species are active or otherwise identifiable, are required. Acceptable species-specific survey procedures should be developed in consultation with CDFW and the USFWS; and,
  - f) A recent, wildlife and rare plant survey. CDFW generally considers biological field assessments for wildlife to be valid for a one-year period. Assessments for rare plants may be considered valid for a period of up to three years, except when significant environmental changes occur, such as disturbance resulting from urbanization or wildfire. Some aspects of the proposed Project may warrant periodic updated surveys for certain sensitive taxa, particularly if build out could occur over a protracted time frame, or in phases.
- 4) Biological Direct, Indirect, and Cumulative Impacts. The project is located a few hundred feet from the Arroyo Las Posas River. The Arroyo Las Posas River is an important riparian corridor in the vicinity of the Project that serves as an important wildlife movement corridor, connecting much of the open spaces through the rapidly urbanizing environment. It is essential to understand how these open spaces and the biological diversity within them may be impacted by Project activities. As such, CDFW recommends providing a thorough discussion of direct, indirect, and cumulative impacts expected to adversely affect biological resources, with specific measures to offset such impacts. The following should be addressed in the DEIR:
- a) A discussion regarding indirect Project impacts on biological resources, including resources in nearby public lands, open space, adjacent natural habitats (e.g. the Arroyo Las Posas River), riparian ecosystems, and any designated and/or proposed or existing reserve lands (e.g., preserve lands associated with a Natural Community Conservation Plan (NCCP, Fish & G. Code, § 2800 et. seq.). Impacts on, and maintenance of, wildlife corridor/movement areas, including access to undisturbed habitats in adjacent areas, should be fully evaluated in the DEIR;

Mr. Justin Bertoline  
Ventura County  
May 12, 2020  
Page 5 of 7

- b) A discussion of potential adverse impacts from lighting, noise, human activity, and exotic species and identification of any mitigation measures;
- c) A discussion on Project-related changes on drainage patterns and downstream of the Project site; the volume, velocity, and frequency of existing and post-Project surface flows; polluted runoff; soil erosion and/or sedimentation in streams and water bodies; and, post-Project fate of runoff from the Project site. The discussion should also address the proximity of the extraction activities to the water table, whether dewatering would be necessary and the potential resulting impacts on the habitat (if any) supported by the groundwater. Mitigation measures proposed to alleviate such Project impacts should be included;
- d) An analysis of impacts from land use designations and zoning located nearby or adjacent to natural areas that may inadvertently contribute to wildlife-human interactions. A discussion of possible conflicts and mitigation measures to reduce these conflicts should be included in the DEIR; and,
- e) A cumulative effects analysis, as described under CEQA Guidelines section 15130. General and specific plans, as well as past, present, and anticipated future projects, should be analyzed relative to their impacts on similar plant communities and wildlife habitats.

### **General Comments**

- 1) Project Description and Alternatives. To enable CDFW to adequately review and comment on the proposed Project from the standpoint of the protection of plants, fish, and wildlife, we recommend the following information be included in the DEIR:
  - a) A complete discussion of the purpose and need for, and description of, the proposed Project, including all staging areas and access routes to the construction and staging areas; and,
  - b) A range of feasible alternatives to Project component location and design features to ensure that alternatives to the proposed Project are fully considered and evaluated. The alternatives should avoid or otherwise minimize direct and indirect impacts to sensitive biological resources and wildlife movement areas.
- 2) CESA. CDFW considers adverse impacts to a species protected by CESA to be significant without mitigation under CEQA. As to CESA, take of any endangered, threatened, candidate species, or CESA-listed rare plant species that results from the Project is prohibited, except as authorized by State law (Fish and G. Code, §§ 2080, 2085; Cal. Code Regs., tit. 14, §786.9). Consequently, if the Project, Project construction, or any Project-related activity during the life of the Project will result in take of a species designated as endangered or threatened, or a candidate for listing under CESA, CDFW recommends that the Project proponent seek appropriate take authorization under CESA prior to implementing the Project. Appropriate authorization from CDFW may include an Incidental Take Permit (ITP) or a consistency determination in certain circumstances, among other options [Fish & G. Code, §§ 2080.1, 2081, subds. (b) and (c)]. Early consultation is encouraged, as significant modification to a Project and mitigation measures may be

Mr. Justin Bertoline  
Ventura County  
May 12, 2020  
Page 6 of 7

required in order to obtain a CESA Permit. Revisions to the Fish and Game Code, effective January 1998, may require that CDFW issue a separate CEQA document for the issuance of an ITP unless the Project CEQA document addresses all Project impacts to CESA-listed species and specifies a mitigation monitoring and reporting program that will meet the requirements of an ITP. For these reasons, biological mitigation monitoring and reporting proposals should be of sufficient detail and resolution to satisfy the requirements for a CESA ITP.

- 3) Compensatory Mitigation. The DEIR should include mitigation measures for adverse Project-related impacts to sensitive plants, animals, and habitats. Mitigation measures should emphasize avoidance and reduction of Project impacts. For unavoidable impacts, on-site habitat restoration or enhancement should be discussed in detail. If on-site mitigation is not feasible or would not be biologically viable and therefore not adequately mitigate the loss of biological functions and values, off-site mitigation through habitat creation and/or acquisition and preservation in perpetuity should be addressed. Areas proposed as mitigation lands should be protected in perpetuity with a conservation easement, financial assurance and dedicated to a qualified entity for long-term management and monitoring. Under Government Code section 65967, the lead agency must exercise due diligence in reviewing the qualifications of a governmental entity, special district, or nonprofit organization to effectively manage and steward land, water, or natural resources on mitigation lands it approves.
- 4) Long-term Management of Mitigation Lands. For proposed preservation and/or restoration, the DEIR should include measures to protect the targeted habitat values from direct and indirect negative impacts in perpetuity. The objective should be to offset the Project-induced qualitative and quantitative losses of wildlife habitat values. Issues that should be addressed include (but are not limited to) restrictions on access, proposed land dedications, monitoring and management programs, control of illegal dumping, water pollution, and increased human intrusion. An appropriate non-wasting endowment should be set aside to provide for long-term management of mitigation lands.
- 5) Translocation/Salvage of Plants and Animal Species. Translocation and transplantation is the process of moving an individual from the Project site and permanently moving it to a new location. CDFW generally does not support the use of, translocation or transplantation as the primary mitigation strategy for unavoidable impacts to rare, threatened, or endangered plant or animal species. Studies have shown that these efforts are experimental and the outcome unreliable. CDFW has found that permanent preservation and management of habitat capable of supporting these species is often a more effective long-term strategy for conserving sensitive plants and animals and their habitats.
- 6) Moving out of Harm's Way. The proposed Project is anticipated to result in clearing of natural habitats that support many species of indigenous wildlife. To avoid direct mortality, we recommend that a qualified biological monitor approved by CDFW be on-site prior to and during ground and habitat disturbing activities to move out of harm's way special status species or other wildlife of low mobility that would be injured or killed by grubbing or Project-related construction activities. It should be noted that the temporary relocation of on-site wildlife does not constitute effective mitigation for the purposes of offsetting Project impacts associated with habitat loss. If the Project requires species to be removed,

Mr. Justin Bertoline  
Ventura County  
May 12, 2020  
Page 7 of 7

disturbed, or otherwise handled, we recommend that the DEIR clearly identify that the designated entity should obtain all appropriate state and federal permits.

## CONCLUSION

CDFW appreciates the opportunity to comment on the NOP to assist the County of Ventura in identifying and mitigating Project impacts on biological resources. If you have any questions or comments regarding this letter, please contact Baron Barrera, Environmental Scientist, at [Baron.Barrera@wildlife.ca.gov](mailto:Baron.Barrera@wildlife.ca.gov) or (858) 354-4114.

Sincerely,

DocuSigned by:

*Erinn Wilson-Olgin*

B6E58CFE24724F5...

Erinn Wilson  
Environmental Program Manager I

ec: CDFW  
Steve Gibson – Los Alamitos  
Baron Barrera – Los Alamitos  
Emily Galli – Los Alamitos  
Malinda Santonil – Los Alamitos  
CEQA HQ - Sacramento

State Clearinghouse

## References:

California Department of Fish and Wildlife [CDFW]. May 5, 2020. Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (see <https://www.wildlife.ca.gov/Conservation/Plants>).

Sawyer, J.O., Keeler Wolf, T., and Evens J.M. 2008. A manual of California Vegetation, 2<sup>nd</sup> ed. ISBN 978 0 943460 4.

## Melissa Whittemore

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**From:** Jill Gordon <jgordon@cityofcamarillo.org>  
**Sent:** Tuesday, May 12, 2020 5:00 PM  
**To:** Bertoline, Justin  
**Cc:** Michelle Danna  
**Subject:** Somis Ranch Farmworker Housing Project  
**Attachments:** 2020 05-12-20 Ventura County - Somis Ranch Letter.pdf

**CAUTION:** If this email looks suspicious, DO NOT click. Forward to Spam.Manager@ventura.org

Hi Justin,

Attached please see a response letter from the City of Camarillo regarding the Somis Ranch Farmworker Housing Project.

Thank you.

**Jill Gordon**, Executive Assistant



[City of Camarillo](#) | 601 Carmen Drive, Camarillo, CA 93010  
P [\(805\) 388-5307](tel:(805)388-5307) | F [\(805\) 388-5318](tel:(805)388-5318) | [jgordon@cityofcamarillo.org](mailto:jgordon@cityofcamarillo.org)

[We Are All In This Together!](#)

**Las Personas son la Ciudad - The People are the City**

Camarillo City Hall will be closed to the public until further notice. This closure will be reevaluated in coordination with Ventura County Public Health directives. There will be no interruption of police, fire, water, sewer, or trash services during this time. City services will be available online, over the phone, and some planning and permitting services will be available by appointment only. For more information and updates, please visit [www.cityofcamarillo.org/covid19](http://www.cityofcamarillo.org/covid19).

Please note email correspondence with the City of Camarillo (and attachments, if any) are subject to the California Public Records Act which authorizes public disclosure (unless otherwise exempted from disclosure under the Act). The information contained in this email is intended only for the use of the named addressee(s). If you received this message in error, please notify the sender of its receipt by calling (805) 388-5300, and subsequently delete and/or destroy this document along with any attachments.



# City of Camarillo

601 Carmen Drive • P.O. Box 248 • Camarillo, CA 93011-0248

Office of the City Manager  
(805) 388-5307  
FAX (805) 388-5318

May 12, 2020

Justin Bertoline, Permit Planner  
Ventura County Government Center Administration Building - 3rd Floor  
Resource Management Agency - Planning Division  
800 S. Victoria Avenue  
Ventura, CA 93009

Dear Mr. Bertoline:

We appreciate the opportunity to review and comment on the proposed Somis Ranch Farmworker Housing Project (Case No. PL19-0046). After participating in the Project Scoping Meeting that took place via Zoom video conference on April 22, 2020, we have the following comments for your consideration:

The following comments are from the City's Community Development Department:

1. The project is located immediately adjacent to the City of Camarillo City limits and Sphere of Influence. The City would like to express its concerns that the proposed project be carefully evaluated to assure compatibility with surrounding land uses in the City and designed to complement existing development in the surrounding area.
2. The City of Camarillo General Plan includes a Community Design Element that was adopted by the Camarillo City Council in 2012. The policies and guidelines of the Community Design Element (<https://www.cityofcamarillo.org/Comm%20Dev/General%20Plan/10%20Community%20Design%20Element%2006-2012.pdf>) should be considered in evaluation of the project, specifically as outlined below:

**Section 10.3 - Residential Areas:** The policies contained in Section 10.3 - Residential Areas should be considered for compatibility with adjacent development in Camarillo. Specifically, Objective RA-1.3, states, "Multi-family residential developments should be integrated and compatible with surrounding land uses and neighborhoods – both existing and future. Additionally, Objective RA-1.7 states, "Enhance and maintain the City's aesthetic beauty and visual character."

**Section 10.3.4:** The Residential Design Guidelines in Section 10.3.4 should be considered for consistency in review of the proposed residential development.

**Section 10.8.4:** Section 10.8.4 encourages coordination between local and State agencies to beautify State Route 34. Section 10.8.4 states, “These corridors are especially important since they create a lasting impression of the area as motorists enter or drive by the City of Camarillo.”

**Section 10.8.5:** Figure 10.11 in Section 10.8.5 identifies the intersection of State Route 34 and Las Posas Road/Upland Drive as a Primary Gateway into the City and therefore, it is important that the proposed development provide a positive image into the City. Section 10.8.5 states, “Gateway scenes will not only signify entry into the City, but enhance and announce the identity of Camarillo as a whole.”

**Section 10.9:** Section 10.9 identifies State Route 34 as a Scenic Corridor. As much of what forms the visual image of Camarillo comes from what is seen from motor vehicles, State Route 34 should highlight, promote and preserve the community’s scenic and environmental characteristics and help reflect the community’s character. Goal SC-1 states, “Maintain the visual quality and scenic views along designated corridors where they contribute and become an essential part of the community’s urban fabric.” Additionally, Objective SC 1.1 states, “Enhance existing view corridors along scenic corridors. Maintain the visual quality and scenic views along designated corridors.”

3. The EIR should address construction noise and provide the anticipated construction schedule in order to minimize impacts to the adjacent Rancho Campana High School as well as the Camarillo Public Library.
4. The EIR should address safety and security, specifically as it relates to the adjacent City desalter facility and any chemicals that will be kept on site.
5. The site plan shows an agricultural buffer on the development along the majority of the easterly property line. However it appears that there is no buffer provided at the southeast corner of the residential development.
6. Address security and fencing surrounding the proposed development adjacent to the high school and City desalter facility.
7. Address transportation routes and modes of transportation that will be utilized by the future residents of the project.
8. As no off-street parking is available, the project must ensure that all parking demand be satisfied on-site and must comply with the minimum State requirements for low income units.

The following comments are from the City’s Public Works Department:

1. The two Somis Ranch Farmworker Housing Project driveway access locations on Somis Road are approximately 700 feet apart and appear to be acceptable for emergency access. However, the two locations where the driveway access roads enter the housing area appear to be too close together (separated by approximately 150 feet) and therefore, do not appear acceptable for emergency access.



2. The traffic study should include conceptual design of the two Somis Road driveway intersections and the access road, including how the northern driveway/access road will not be within 70 feet of the Bell Ranch complex as stated under section "F23. Cultural Resources" of the Supplemental Information & Project Description prepared by Jensen Design & Survey. The dirt access road immediately adjacent to the Bell Ranch complex is proposed to be improved as part of the development.
3. Statements regarding access roads to be constructed by the City of Camarillo require clarification and documentation.
4. Please revise all application information (applications, plans, etc.) to reflect that portion of the access road to be constructed by the City of Camarillo, per the approved North Pleasant Valley Desalter Improvement Plans. The City of Camarillo will be constructing one access driveway on Somis Road and constructing an access road from this driveway to the North Pleasant Valley Desalter.
5. The Somis Ranch Farmworker Housing Project should provide the design and construction for the northern access driveway on Somis Road and for the access road located between the northern access driveway extending west and south to join the portion of the access road to be constructed by the City of Camarillo.
6. The proposed Somis Ranch Farmworker Housing Project shows a driveway onto Somis Road that is shared with the City of Camarillo's North Pleasant Valley Desalter Facility. The Desalter Facility will generate very few annual daily trips and most of those trips will be during off-peak hours. By itself the Desalter Facility will not warrant a traffic signal at the driveway onto Somis Road.
7. The North Pleasant Valley Desalter Facility driveway onto Somis Road is only about 500 feet from the traffic signal-controlled intersection of Somis Road/Lewis Road and Las Posas Road/Upland Road. This would be a poor location for a traffic signal because it is too close in spacing to the next traffic signal. Traffic signal spacing on Somis Road between Bell Ranch Road Private and Las Posas Road/Upland Road is more ideal.
8. The Somis Ranch Farmworker Housing Project will construct 360 residential units in three phases. This will generate a significant amount of peak hour traffic in the AM and PM peak hours. This project has two access points the north driveway (extension of Bell Ranch Road Private) and the south driveway (shared access with the North Pleasant Valley Desalter Facility.) The project should designate the north driveway as the primary access and construct a traffic signal at Bell Ranch Road Private and Somis Road. The south driveway should be designated as emergency access only.
9. Evaluate if the Somis Ranch Farmworker Housing Project will warrant dual left turn lanes for southbound Somis Road to eastbound Upland Road. Ultimately Somis Road is State Route 34 and falls under the jurisdiction of Caltrans. Caltrans will have the final decision on any improvements on Somis Road.
10. The Somis Ranch Farmworker Housing Project cannot connect to the City of Camarillo's SMP brine line because it would not comply with the City's discharge

agreement with Calleguas. Also, based on a smaller connection being required, it may be more cost effective if the Somis Ranch Farmworker Housing Project connected directly to SMP using a separate location and agreement with Calleguas. Lastly, Calleguas' rate structure does not accommodate the discharge of different water qualities, such as treated wastewater and desalter brine being blended together.

11. Please provide a copy of Appendix A of the Supplemental Information & Project Description prepared by Jensen Design & Survey.
12. Please provide copies of all agreements referenced in the applicant's submittal documents.

If you have any questions about the comments contained within this letter, please contact Michelle Glueckert D'Anna, Community Relations Officer, at (805) 388-5370 or [mdanna@cityofcamarillo.org](mailto:mdanna@cityofcamarillo.org). We look forward to your continued coordination throughout the processing of this project.

Sincerely,



Tully Clifford  
City Manager

## Melissa Whittemore

---

**From:** Mary Otten <motten@pvrrpd.org>  
**Sent:** Wednesday, May 13, 2020 7:29 AM  
**To:** Bertoline, Justin  
**Cc:** Anthony Miller  
**Subject:** Somis Ranch Farmworker Housing - PL 19-0046

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Justin,

I'm reviewing the initial information for the notice of preparation of the EIR and notice of public scoping meeting. Reading through the document it states the Planning Division conducted a preliminary assessment of the proposed project and identified nine areas that will require detailed analysis as part of the EIR.

I would ask that the EIR also include a more detailed analysis as it relates to Parks and Recreation spaces and programming. While I understand Ventura County parks are funded and operated with revenues received from users' fees Pleasant Valley Recreation and Park District has a different structure. Our parks are funded primarily through property tax, assessment fee and program fees. The families residing in this complex will be unlikely to use any Ventura County park resources due to their proximity to PVRPD classes and facilities. Additionally, this development is sited adjacent to one of the District's most heavily impacted acreage per capita areas. An area which would surely include the development if the District's boundaries were less than a mile further extended from their current extent. Simply put, this development will not only impact PVRPD resources, but disproportionately so, due to its proximity to the District and due to the population, it is expected to house.

The City of Camarillo General Plan specially under Section 8 of the Recreation element as stated under the general standard, the Pleasant Valley Recreation and Park District and the City of Camarillo recommends that for each 1,000 persons, a total of 2 ½ acres of neighborhood parks and 2 ½ acres of community parks should be required for a combined total of 5 acres of parkland per 1,000. Currently, the District operates 256 acres of Parkland for over 69,800 constituents. Accordingly, the District should have 349 acres of parkland to meet this requirement which means there is currently a deficient of 93 acres.

Per this project there will be 360 apartment units added to the housing stock on the edge of District boundaries. Based on Camarillo demographics there are 2.6 people per household which could mean an additional 936 constituents. Adding this apartment complex with minimal park space not only will increase the strain on District space but would actually take the District in the wrong direction regarding park space per 1,000 residents.

We would ask that parks and recreational space be specifically addressed as part of the EIR so it does not put undue stress on the Pleasant Valley Recreation and Park District's current strained park system. I would be happy to have further conversation to discuss District concerns.

Cordially,



**Mary Otten**, *General Manager*

**Pleasant Valley Recreation & Park District**

1605 E. Burnley Street, Camarillo, CA 93010

805.482.1996 x114 [www.pvrpd.org](http://www.pvrpd.org)



## Melissa Whittemore

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**From:** Terry, Vanise  
**Sent:** Thursday, April 23, 2020 5:08 PM  
**To:** Fogg, Mindy  
**Cc:** Bertoline, Justin; Parks, Linda  
**Subject:** FW: Somis Ranch Farmworker Webinar Meeting

Good afternoon,

Please see the comments below from Somis MAC Chair Pat Richards regarding the Somis Ranch scoping meeting last evening.

Thank you,

Vanise

*Vanise Terry*

Office of Supervisor Linda Parks

625 W. Hillcrest Drive

Thousand Oaks, CA 91360

(805) 214-2510

[Vanise.Terry@ventura.org](mailto:Vanise.Terry@ventura.org)

**From:** Patrick Richards <[richardse@roadrunner.com](mailto:richardse@roadrunner.com)>

**Date:** April 23, 2020 at 1:11:37 PM PDT

**To:** "Parks, Linda" <[Linda.Parks@ventura.org](mailto:Linda.Parks@ventura.org)>

**Subject:** Somis Ranch Farmworker Webinar Meeting

Supervisor Parks. I wanted to advise you of my disappointment in the way the "Zoom" meeting was conducted pertaining to the EIR Scoping for the proposed Somis Ranch Farmworker project. First of all I had a number of questions raised during my time to address the hearing which were not answered or even commented on by County staff. Second, when I first tried to speak the moderator could not hear me. I had to log in and use another computer by reregistering, and putting in my password (again). Brett Tibbits had to rely on a phone call to have his comments heard and, it was very difficult to hear his comments. Third, the items that were put on the screen by County Planning were not left on the screen long enough to fully read through the text nor review the exhibits shown. Lastly, following those who had called in (I believe two or three) I had tried to "raise my hand" (that's an icon on the computer screen) because I had a question and I was not allowed to address the moderator again. I wonder how many others had a follow up question or concern and were stiffened using this "Zoom" teleconference process.

I am also concerned that this project is proceeding under the County Planning Departments opinion that it is not subject to the 2050 SOAR Initiative. I would really like to know the County's findings as to how they reached this decision. Upon hearing comments by Richard Frances (one of the authors of both SOAR Initiatives) it appears that he is of the opinion that this project is subject to SOAR. Was County Counsel quarried to give an opinion? Was there any effort to give the SOAR organization an opportunity to comment on whether or not the project was subject to SOAR?

My last comment pertains to the method by which Public Notice was given for this Scoping meeting. It is my understanding that the County Planning Department used the state minimum requirement of notify those property owners within 300 feet of the project site and notice to a limited mailing list. No effort was made to advise the Somis MAC, nor property owners within the Somis Community or others that may be affected by this project. Was the City of Camarillo, Somis school District, or Oxnard Unified High School District sent notice of this scoping meeting?

Please feel free to share my comments to those you feel appropriate. May thanks for all you do for the Somis Community Take care and stay healthy.

Pat Richards

## Melissa Whittemore

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**From:** Nicole Collazo <nicole@vcapcd.org>  
**Sent:** Friday, April 24, 2020 11:29 AM  
**To:** Bertoline, Justin  
**Subject:** Somis Ranch FWH Project NOP APCD Comment Letter  
**Attachments:** PL19-0046 Somis Ranch FWH NOP of EIR Comment Letter .pdf

**CAUTION:** If this email looks suspicious, DO NOT click. Forward to Spam.Manager@ventura.org

Justin,

APCD would like to submit a public comment letter regarding the Somis Ranch FWH project or PL19-0046.

Thank you,

*Nicole Collazo*

Air Quality Specialist

VCAPCD Planning Division

669 County Sq. Dr. 2<sup>nd</sup> Floor, Ventura, CA, 93003

[www.vcapcd.org](http://www.vcapcd.org)

[nicole@vcapcd.org](mailto:nicole@vcapcd.org) | 805-645-1426

**COVID-19 STATUS: I am currently telecommuting daily and am best reached by email. My work hours are Mon-Fri 7:00 AM-3:30 PM. I am also monitoring my office VM daily.**



**VENTURA COUNTY  
AIR POLLUTION CONTROL DISTRICT**  
Memorandum

TO: Justin Bertoline, County RMA Planning Division

DATE: April 24, 2020

FROM: Nicole Collazo, Air Quality Specialist, APCD Planning Division

SUBJECT: Comment Letter on Notice of Preparation of DEIR for Somis Ranch  
Farmworker Housing Project PL19-0046

Air Pollution Control District (APCD) staff has reviewed the subject Notice of Preparation (NOP) of an environmental impact report (EIR), which will identify any potential environmental impacts for the construction and operation of the facility mentioned above. The Lead Agency for the project is the County of Ventura.

**GENERAL COMMENTS**

*Air Quality Section*

1) The air quality assessment should consider plan-consistency with the 2016 Air Quality Management Plan (AQMP). The 2016 AQMP presents Ventura County's strategy (including related mandated elements) to attain the 2008 federal 8-hour ozone standard by 2020, as required by the federal Clean Air Act Amendments of 1990 and applicable U.S. EPA clean air regulations. The 2016 AQMP uses an updated 2012 emissions inventory as baseline for forecasting data, SCAG RTP 2016 data, and CARB's EMFAC2014 emission factors for mobile sources. The AQMP can be downloaded from our website at <http://www.vcapcd.org/AQMP-2016.htm>. Methods for consistency with the AQMP are outlined in Chapter 4 of the Ventura County Air Quality Assessment Guidelines, 2003 (AQAG).

2) The AQAG should also be used to evaluate all potential air quality impacts. The AQAG are also downloadable from our website here: <http://www.vcapcd.org/environmental-review.htm>. Specifically, the air quality assessment should attempt to quantify and discuss reactive organic compound, nitrogen oxide emissions from operational mobile, energy, and area sources. Construction emissions will not be included in the determination thresholds, but emission reduction measures are still recommended for the reduction of fugitive dust,



PM, ROG and NO<sub>x</sub> from heavy-duty construction equipment if it exceeds the recommended air quality significance determination thresholds for ROG and NO<sub>x</sub>. We note that the AQAG has not been updated since 2003, serves as a guidance document, and greater reduction measures can be recommended for construction mitigation, including using newer, cleaner diesel Tier 3 or Tier 4 off-road engines and/or using on-road construction vehicles of year 2010 model or greater. This would apply to the subject project as there are many sensitive receptors in the vicinity (St. John's hospital, St. John's Seminary, Rancho Campana High School, residential, parks) and construction length is expected to be long. The diesel particulate matter (DPM) emissions from diesel-powered construction and grading equipment is a considered a toxic air contaminant by the EPA and accounts for 70-80% of the overall cancer risk from mobile source emissions (CARB 2005 Land Use Handbook, MATES IV Study, respectively). Construction emission reduction measures have been recommended and can be found in the memo sent to the County of Ventura Planning Division dated November 08, 2019.

3) The on-site wastewater treatment facility may need to obtain an APCD Permit to Operate for any odor control equipment and/or if the site is proposing to install an emergency diesel generator over 50 BHP. We recommend the applicant contacting the APCD's Permitting Division at 805-645-1401 to confirm if a permit will be required. An Authority to Construct must also be issued by APCD prior to any construction or installation of permitted equipment. The onsite wastewater treatment facility should be included in the Air Quality EIR discussion under the potential odor impacts and how odors will be controlled to avoid a public nuisance violation (APCD Rule 51).

4) Lastly, VCAPCD will assist the Lead Agency in the review the EIR's air quality impact section for the following criteria:

- Conflict with or obstruct implementation of the applicable air quality management plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

#### *Greenhouse Gas Emissions Section*

5) Neither APCD nor the County has adopted a threshold of significance applicable to Greenhouse Gas (GHG) emissions from projects subject to the County's discretionary land use permitting authority. At the request of the Ventura County Air Pollution Control Board, APCD published a report on November 8, 2011 on current GHG thresholds and methodologies used throughout the state. The APCD concluded then that using South Coast AQMD's recommended thresholds would be consistent as a neighboring air district.

The following are recommended guidance documents that could be used to address the impacts of climate change and greenhouse gases in Ventura County as a result of the proposed project.

On November 2017, the California Air Resources Board published its latest Climate Change Scoping Plan. The Scoping Plan lays out a strategy for achieving California's 2030 Greenhouse Gas target (SB 32 and EO B-30-15) and builds on the state's successes to date, proposing to strengthen major programs that have been a hallmark of success, while further integrating efforts to reduce both GHGs and air pollution. California's climate efforts will 1) Lower GHG emissions on a trajectory to avoid the worst impacts of climate change; 2) Support a clean energy economy which provides more opportunities for all Californians; 3) Provide a more equitable future with good jobs and less pollution for all communities; 4) Improve the health of all Californians by reducing air and water pollution and making it easier to bike and walk; and 5) Make California an even better place to live, work, and play by improving our natural and working lands. The 2017 Climate Change Scoping Plan can be accessed here [https://www.arb.ca.gov/cc/scopingplan/scoping\\_plan\\_2017.pdf](https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf).

On December 2018, the Governor's Office of Planning and Research (OPR) published a Draft Technical Advisory. This document incorporates developments since the June 2008 Technical Advisory publication, including regulatory changes made to the regulations that implement CEQA (commonly known as the "CEQA Guidelines" in late 2018 by the California Natural Resources Agency (Agency). Although this document largely focuses on project-level analyses of greenhouse gas impacts, Section IV briefly addresses community-scale greenhouse gas reduction plans as one pathway to streamline CEQA analyses. This discussion draft is intended to address some common issues and topics that arise in greenhouse gas emissions analyses under CEQA but is not intended to address every single issue and topic. More information on the OPR's Technical Advisory can be found here <http://opr.ca.gov/ceqa/technical-advisories.html>.

GHG operational and construction emissions can also be quantified and assessed using the air quality model CalEEMod using the annual reports function to estimate GHG emissions in MT/Yr CO<sub>2</sub>e. Per SCAQMD's recommended guidelines, construction emissions should be amortized over 30 years or expected life of the project and added to total operational GHG emissions.

Thank you for the opportunity to comment on the project NOP. If you have any questions, you may reach me at 805-645-1426 or [nicole@vcapcd.org](mailto:nicole@vcapcd.org).

## Melissa Whittemore

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**From:** House Farm Workers <info@housefarmworkers.org>  
**Sent:** Friday, May 8, 2020 3:29 PM  
**To:** Bertoline, Justin  
**Subject:** Somis Ranch Letter of Support  
**Attachments:** Somis Ranch\_LOS.pdf

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Hello Justin,

I hope this email finds you well. I am submitting the attached letter on behalf of *House Farm Workers!* in support of the Somis Ranch project. Let me know if I can answer any questions.

Thanks,

Alondra

Alondra Serna  
Executive Director  
*House Farm Workers!*  
PO Box 402, Santa Paula, CA 93061  
(805) 921-0430  
[www.housefarmworkers.org](http://www.housefarmworkers.org)

## Melissa Whittemore

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**From:** Connie Anderson <canderson5555@yahoo.com>  
**Sent:** Friday, April 24, 2020 11:09 AM  
**To:** Bertoline, Justin  
**Subject:** I missed the low income farm workers meeting yesterday

I am all for this project. Get building now. These are essential workers that need housing. They pick our food. Isn't this project part of the Ventura County 10 year plan to end homelessness 2007-2017?  
Don't turn this into the new school project that took 20 years to build. The City of Camarillo is way behind in building affordable housing in the city. Fast track this project and the low income housing at the end of Barry Street. We need low income housing now, the city has stalled long enough. Construction is essential at this time, there should not be any more delays.  
Thank you for your time  
Constance Anderson  
Sent from my iPhone

## Melissa Whittemore

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**From:** Seth Brandes <seth.brandes@verizon.net>  
**Sent:** Thursday, May 7, 2020 3:54 PM  
**To:** Bertoline, Justin  
**Cc:** Char Brandes; Terry, Vanise  
**Subject:** Somis Ranch Farmworker Housing Project comments

Hello

We reside at 4816 Donlon Rd, Somis. My personal comments on the Somis Ranch Farmworker Housing Project are as follows:

This is the perhaps the most important project that Somis will have to deal with in our lifetime. The impact of 360 apartment units at the intersection of Somis Road and Las Posas Road needs to be carefully thought through and everyone deserves a voice. The residents of Somis need appropriate input into this proposed project.

The impact on the entire Somis community regarding this project will be immense. The impact of 360 potential families on the Somis school district will be massive and we, as a community, need to have input in this decision.

I am also confused as to how one qualifies for farm-worker housing if your income is \$85,000 a year. That seems like a higher dollar figure than I would think is being paid for farm work. I would like to see more detail regarding this criteria.

In my opinion, community input can only be achieved in a public setting with an opportunity for Somis residents to be present and participate in the discussion. The proposed May 13th Somis Municipal Advisory Council meeting has just been cancelled and we have no current reschedule information.

I hope you will make every effort to be certain that a proposed videoconference will not take the place of a Somis MAC meeting on the project - a true meeting which will have impact on the actual project. Again, if the County has the power to order us all to stay at home during this crisis, it certainly has the power to delay the need for such a meeting as being planned via teleconference.

I am concerned that the County and the developers have made plans for this project and are using a pandemic to move the project forward without proper public input.

Thank you in advance,

Seth Brandes  
4816 Donlon Rd.  
Somis, CA 93066

## Melissa Whittemore

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**From:** miacalamiahotmail.com calamia <miacalamia@hotmail.com>  
**Sent:** Tuesday, May 12, 2020 11:42 AM  
**To:** Bertoline, Justin  
**Subject:** Somis Ranch Farmworkers Housing Project.

I'm opposed to the project and I would like to be put on the mailing list. Donna Calamia 4252 Blackberry Lane Somis Ca 93066. Post cards should of gone out to a larger area. I did not get one.

1. A huge impact on traffic, school, hospital, fire department, police department, WATER, 2. Mr Pat Richards brought up many components that were not addressed and need to be.

3. Mr Brett Tibbits nailed it when he said this project by this developer is a wolf in sheep's clothing. A 200 year deed restriction with specific language regarding farmworkers definition. This project should not be sold off in a few years because it is not cost effective for farm workers but cost effective for the developers to sell at high priced condos

Donna Calamia

**Melissa Whittemore**

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**From:** Eric Duncan <itsericsr@yahoo.com>  
**Sent:** Wednesday, May 6, 2020 2:31 PM  
**To:** News VC Star; Moreinfo@theacorn.com; Bertoline, Justin  
**Subject:** SOMIS FARM WORK HOUSING CONSTRUCTION PROJECT  
**Attachments:** CtyEnvirRptSomis2020.doc

**CAUTION:** If this email looks suspicious, DO NOT click. Forward to Spam.Manager@ventura.org

Mr. Bertoline:

My attached letter is submitted for consideration of incorporation of certain reviews identified, during the environmental impact study for the subject project.

Thank you,

Eric R. Duncan Sr  
3377 E. Landen St.  
Camarillo, CA 93010  
telephone 805-482-5926

Eric R. Duncan Sr.  
3377 E. Landen St.  
Camarillo, CA 93010

May 6, 2020

Mr. Bertoline:

I am a 47 year resident of this address and a retired federal employee after 40 years of service. The purpose of this letter is not to question the need of farm worker housing but rather to address a number of issues that should be covered in any environmental report.

First item is the location of the housing. The property owners say the housing is to benefit the farm workers. I have no issues with the appearance or construction design. Rather the main questions is where will the workers be physically located at when working. I see it of no benefit to the workers or the local community if they will spend more of their time outside a mile or two of it purposed location. That will only cause the workers the additional expense of driving back and forth to work, plus the tremendous impact on highways 34 and 118 and rural homes. Life in Somis and surrounding areas will never be the same if built in this area where farming has occurred for over 100 years. Housing should be located in the proximity of where the majority of the work is performed.

Another concern is ownership of the property by the same firm that owns the land and employs the workers. We who have been here for a while have seen farm worker housing North of the proposed location and East of highway 34 before. Some of those folks were fined and went to federal prison. Not saying the current owners will do the same thing but it has occurred in the past.

Additionally I would include myself with those folks who voiced concern for impact on local schools at all levels, the local hospital and water supply. The City of Camarillo is spending millions of tax dollars investing in a water recycle facility that draws it water supply from underground. What is the impact of water required for almost 400 units and parks being drawn off the ground water? Let us know, please. Regarding schools, I would suggest the proper thing is for the county to have the developer fund the costs of upgrades needed to accommodate the new students in Somis schools. Same for Oxnard High School District given both schools in Camarillo are at or exceed capacity.

I'm sure there are other items that local citizens will ask to be addressed also. They should be slated for review, along with an overall assignment of the environment impact on the Somis and Camarillo areas in proximity of the proposed construction. To do otherwise is a disservice not only to current local residents but also to the farm workers.

Thank you  
Eric R. Duncan Sr

CC: Ventura County Star/Camarillo Acorn





## Melissa Whittemore

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**From:** Terry, Vanise  
**Sent:** Thursday, April 16, 2020 2:59 PM  
**To:** Ward, Dave  
**Cc:** Bertoline, Justin  
**Subject:** Fwd: Farmworker Housing Project Public Meeting

Hi Dave,

Here is one more email we received about the farmworker housing project. Have you finalized a response to residents yet?

Thanks,

Vanise

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**From:** pattyfine@aol.com <pattyfine@aol.com>  
**Sent:** Thursday, April 16, 2020 2:05 PM  
**To:** Parks, Linda; Terry, Vanise  
**Subject:** Re: Farmworker Housing Project Public Meeting

**CAUTION:** If this email looks suspicious, DO NOT click. Forward to Spam.Manager@ventura.org

Dear Supervisor Parks and Ms. Terry (Vanise),

Thank you for including me on the notice list below. I regret that it's taken me this long to write back with this (hopefully not-too-long) email to express some concerns and reservations I have about the process itself for review of the Housing Project and particularly with regard to what seems to be currently intended to be the process for public review and participation.

In a nutshell, I have two main concerns, as follows:

1. I don't know whether or not the replacement of an actual "public meeting" with an in-effect virtual "Zoom webinar" might (or might not?) technically meet the legal requirements for an EIR Scoping Meeting, or for a County Planning Department "public meeting" for that matter, but given the potentially major impacts of such a large project in such a location upon the community of Somis, I would think and hope that a real public meeting, well-noticed and held at a time when a pandemic hasn't essentially sent all of planet Earth into complete disruption and distraction, would be far preferable and more fitting to both the spirit of and commonsense definition of "public meeting."

Especially given the rural nature of much of Somis, I am not so sure that some, perhaps many(?), residents (including myself) would be able to successfully connect to and participate in the Zoom webinar even if they knew about it (which I'm fairly sure most currently don't) and wanted to. The internet service at my own home, for instance, is maddeningly slow and oftentimes barely functional, sometimes even non-functional, due to there being no cable in our street and the only available service provider being Frontier.

2. There seem to be so many still-unanswered questions regarding important specifics about this project that I'm wondering whether the holding of a "public meeting" on it at this time (especially if the "meeting" is only "virtual" at best while nevertheless still apparently being intended to satisfy certain technical public meeting requirements) might actually be premature. I have quite a long list of questions about the project myself but am unclear how to get any -- much less all -- of them definitively answered prior to the date of the "virtual meeting", and frankly feel like my hands are currently already more than full enough just trying to keep up with, and stay safe in, this pandemic situation in which even planning a trip to the grocery store has become a major and time-consuming project.

In summary I am concerned that the process itself for full and fair public participation with regard to a project as large as this, which has the potential to cause very major longterm impacts on the community of Somis, may be being unnecessarily and/or unjustifiably short-circuited, without justification for such a significant abbreviation of process having perhaps yet been sufficiently established, explained or further considered for its potential to set a dangerous and bad precedent for the future.

Thank you for taking the time to read this and for your consideration of the concerns expressed above.

Sincerely,

Patricia Feiner Arkin  
805-386-1200

**Melissa Whittemore**

---

**From:** pattyfine@aol.com  
**Sent:** Wednesday, April 22, 2020 4:00 PM  
**To:** Bertoline, Justin  
**Subject:** comments on Somis Ranch Farmworker Housing Project  
**Attachments:** Bertoline,Justin-County Plng.-comments on Farmworker Housing Project EIR NOP & Scoping Mtg..docx

**CAUTION:** If this email looks suspicious, DO NOT click. Forward to Spam.Manager@ventura.org

Dear Mr. Bertoline,

Please find attached some comments I am submitting re the above-described project. Could you please do me the favor of a quick reply to confirm you've received it?

Thank you very much.

Sincerely,

Patricia Feiner Arkin  
805-386-1200

To: Justin Bertoline, Senior Planner  
Ventura County Resource Management Agency, Planning Division

VIA: email at [justin.bertoline@ventura.org](mailto:justin.bertoline@ventura.org) and FAX: 805-654-2509

From: Patricia Feiner Arkin

Re: Somis Ranch Farmworker Housing Complex Project, Case No. PL19-0046

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Dear Mr. Bertoline and Planning Division:

Please find below comments I would like to submit with regard to the above-mentioned project and the Notice of Preparation of an EIR and Notice of Public Scoping Meeting pertaining to it. I regret that my comments will of necessity be somewhat rushed and neither particularly well-expressed nor well-organized, but that is because I am concerned that in reality they may have to have been submitted prior to the start of your upcoming Zoom “virtual “Scoping meeting, which takes place this evening, in order to have any potential value or effect at all. Additionally, due to the lack of reliable internet service where I live, I’d rather submit at least a few comments in writing than risk finding out too late (as in during the meeting itself) that my internet service was insufficient for me to even be able to participate via Zoom.

Because time is of the essence and I don’t have time to study up on the rules of the road regarding CEQA Scoping meetings, I would also like to ask your indulgence in allocating the comments I make below into their most appropriate CEQA Scoping categories so that they can receive full and fair consideration. In any event, here goes:

**REGARDING SCOPE OF THE EIR:**

1. The NOP states “The EIR will consider the full range of environmental topics contemplated under CEQA and the CEQA Guidelines.” For the record, I just want to say that I sure hope that will indeed be the case, as I believe this project , both in itself and as a potential precedent, has the potential to enormously impact all of Ventura County, its City and County General Plans, and the future design, nature, economy and community character of all of Ventura County going forward. Therefore I believe that not only project-specific impacts but also all cumulative impacts should be disclosed, described, and analyzed in every CEQA category that even arguably applies. That said, I would like to mention at least a few specifics which, for lack of time, I apologize in advance for sometimes being expressed in less-than-complete sentences:
2. Traffic Impacts (and Air Quality as it relates to Traffic). This is a very large project capable of severely impacting traffic congestion for Camarillo, the Somis community and on Somis Rd. in (SR 34) in particular. The potential traffic impact on Somis Rd.

and on the community of Somis , should be analyzed both with regard to the individual project itself and also for potential cumulative impacts.

3. Impact on the Community Character of Somis. This project, with its potential both as an individual project and also cumulatively with whatever other adjacent and/or nearby projects might potentially be in the works, has the potential to heavily impact the community character of Somis as it is currently, and has always historically been, known. Is this project perhaps just one among a few other, piecemeal “steps” being taken that will ultimately cause the City of Camarillo to bleed into and ultimately obliterate the community of Somis itself? This needs full analysis now and the full consideration of mitigation measures such as the creation NOW of a Greenbelt agreement between the City of Camarillo and the County of Ventura in order to prevent such an undesirable (and hopefully unintended!?) impact from occurring.
4. Impact of causing further domino-effect-type loss (both project specific and cumulatively) of viable, productive agricultural land due to the inherent conflicts which will inevitably arise between such an urban density type of residential project and any adjacent and/or nearby agricultural zoned & operating neighbors.

Associated potential regional “Food Security” impacts and impacts on Ventura County’s existing and substantial agricultural economy.

5. Growth Inducement and undesired Impacts on existing Ventura County General Plan (see following comments re SOAR Initiative).
6. Impacts on Water Supply and on District 19. Question: Is the subject parcel already served by District 19? If not and presuming not, does District 19 have demonstrated sufficient water supply to serve the project? Additionally, will there be additional costs imposed upon existing District 19 customers to pay for the project’s development of new water supply infrastructure? (Or will the project itself be paying for the new water delivery infrastructure?)
7. Any and all Impacts resulting from any failure of the project to have fully, fairly and completely complied with the SOAR initiative and to have met all of the requirements expressed within it for being exempt from requiring a vote of the people in order to proceed as a project without a prior vote of the people to approve it. With sincere apologies for the wordiness of the above heading, I believe this project has so much potential as a bad and dangerous precedent and potentially major loophole to the SOAR Initiative (and to the Ventura County General Plan itself) that the project’s compliance in full with the initiative needs to first be analyzed with a very fine-tooth comb for any potential failure to qualify as such a loophole before it’s allowed to become one. To do so would be far beyond my own pay grade, but I believe any failure in the EIR to exercise a very high level of analysis of every aspect of the project with regard to its full and complete compliance with the letter of, findings of,

purpose of, Goals of and policies of the SOAR Initiative, would be a very dangerous error.

Additionally, once a thorough analysis of the project's compliance (or lack thereof) with SOAR has been made within the EIR itself, in the event it's determined and demonstrated that the project does indeed fully qualify for an exemption from a vote of the people under SOAR, then I believe there still needs to be a thorough analysis of both potential alternatives and also potential mitigation measures made within the EIR. Mitigation measures should include such things as the creation and further strengthening of Greenbelts throughout the county, for instance (especially for Somis and the Las Posas Valley), and only given as one small but obvious example mentioned here in the interest of time. Alternatives to consider, for example, would include such things as the cities of Ventura County being either newly required or in some way(s) induced into revisiting their own General Plans and zoning designations so that (per the voter-approved goals, purpose and policies expressed in the SOAR initiative as well as in the County General Plan) at least some of the many, many acres and even miles of clearly underutilized and languishing commercially-zoned or otherwise not currently residentially-zoned parcels inside the existing boundaries of many cities within the County would newly (and productively) become zoned for residential or more forward-thinking combined or mixed-use residential and thus become available as much better-suited alternatives altogether for projects such as this one.

Perhaps fortunately for all concerned, I see I have literally run out of time for further comment, but thank you for the opportunity to comment.

Sincerely,

Patricia Feiner Arkin

## Melissa Whittemore

---

**From:** pattyfine@aol.com  
**Sent:** Tuesday, May 12, 2020 4:19 PM  
**To:** Bertoline, Justin  
**Subject:** Farmworker Housing Complex Project, Case No. PL19-0046

Dear Mr. Bertoline and Planning Division:

With regard to the NOP & EIR Scoping for the above-described project, I would like to submit a couple of additional comments and clarifications to those I previously submitted on April 22, 2020:

The impacts of the project need to be thoroughly analyzed, both individually and cumulatively (including for its destructive potential as a precedent) upon the Ventura County General Plan itself and its purpose, Goals and Policies. High density housing such as this is on its face Urban-type development and is supposed to be built within the cities of Ventura County, not outside of them. That goes, and should go, for farmworker housing if at this level of density, too.

In the category of "Alternatives," all alternative sites within ALL of the cities of Ventura County should also be identified and analyzed in the EIR. These sites should include not only all sites that are currently designated and zoned for "Residential" but also any and all other sites within all of the cities that might not yet currently be zoned for Residential but potentially could be.

Thank you for the opportunity to comment.

Sincerely,

Patricia Feiner Arkin



## Melissa Whittemore

---

**From:** Leslee <lowens67@aol.com>  
**Sent:** Thursday, April 16, 2020 6:50 PM  
**To:** Bertoline, Justin  
**Subject:** Housing

Why are we having a meeting about this when we are social distancing? This is unfair that the citizens from Somis can't give their input! It must STOP!

Lori Gilbert  
Somis

Sent from my iPhone

## Melissa Whittemore

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**From:** Leslee <lowens67@aol.com>  
**Sent:** Thursday, April 16, 2020 6:54 PM  
**To:** Bertoline, Justin  
**Subject:** Housing

Are you having an on line meeting so the public can respond? This is major! The citizens of Somis need to have their input! I'm going to write Gavin Newsome if this is not postponed!

Lori Gilbert

Somis

Sent from my iPhone

## Melissa Whittemore

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**From:** Kaycee Gilbert <kayceengilbert@yahoo.com>  
**Sent:** Monday, April 20, 2020 6:57 AM  
**To:** Bertoline, Justin  
**Subject:** Re: Somis housing project

**CAUTION:** If this email looks suspicious, DO NOT click. Forward to Spam.Manager@ventura.org

Thank you for the response. I would like to express My frustration and disappointment that this very important meeting is being held via zoom. It should be postponed to have in person. I believe the media is being notified of the many protests to this unbelievable move by the county. Some people don't have access to the internet, or don't know how to work zoom; therefore are not able to attend. This is a discrimination against those members of our society.

Thank you,

Kaycee Gilbert

On Monday, April 20, 2020, 6:53 AM, Bertoline, Justin <Justin.Bertoline@ventura.org> wrote:

Good Morning,

Sorry for the delayed response as I was out of the office. To access the meeting, please register here:  
[https://zoom.us/webinar/register/WN\\_InLxk6rHTLWICcuNqHq6yA](https://zoom.us/webinar/register/WN_InLxk6rHTLWICcuNqHq6yA)

Please let me know if you have any questions.

Thank you,

**Justin Bertoline** | Senior Planner

Commercial & Industrial Permits Section

[justin.bertoline@ventura.org](mailto:justin.bertoline@ventura.org)

Ventura County Resource Management Agency | Planning Division

P. (805) 654-2466 | F. (805) 654-2509

800 S. Victoria Ave., L #1740 | Ventura, CA 93009-1740

Visit the Planning Division website at [vcrma.org/planning](http://vcrma.org/planning)

Ventura County General Plan Update. Join the conversation at [VC2040.org](http://VC2040.org)

For online permits and property information, visit [VC Citizen Access](#)

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**From:** Kaycee Gilbert <kayceengilbert@yahoo.com>  
**Sent:** Thursday, April 16, 2020 6:19 PM  
**To:** Bertoline, Justin <Justin.Bertoline@ventura.org>  
**Subject:** Somis housing project

Hello,

How do we get the needed info to attend the zoom Meeting on 4/22? Can this info please be shared with me and made easily available to the public so they can attend.

Thank you,

Kaycee Gilbert

## Melissa Whittemore

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**From:** Fogg, Mindy  
**Sent:** Wednesday, April 22, 2020 2:17 PM  
**To:** Terry, Vanise  
**Cc:** Bertoline, Justin  
**Subject:** RE: Somis Apartment Project

Thank you Vanise!

**Mindy Fogg** | Planning Manager  
Commercial & Industrial Permitting Section  
[mindy.fogg@ventura.org](mailto:mindy.fogg@ventura.org)  
805.654.5192

---

**From:** Terry, Vanise <Vanise.Terry@ventura.org>  
**Sent:** Wednesday, April 22, 2020 1:51 PM  
**To:** Fogg, Mindy <Mindy.Fogg@ventura.org>  
**Subject:** FW: Somis Apartment Project

Hi Mindy,  
Here is one more email from a concerned Somis resident re: the farmworker housing project.  
Thanks!  
Vanise

*Vanise Terry*  
**Office of Supervisor Linda Parks**  
**625 W. Hillcrest Drive**  
**Thousand Oaks, CA 91360**  
**(805) 214-2510**  
**[Vanise.Terry@ventura.org](mailto:Vanise.Terry@ventura.org)**

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**From:** Margaret Hernandez <[magshern01@gmail.com](mailto:magshern01@gmail.com)>  
**Sent:** Wednesday, April 22, 2020 12:32 PM  
**To:** Long, Kelly <[kelly.long@ventura.org](mailto:kelly.long@ventura.org)>; Parks, Linda <[Linda.Parks@ventura.org](mailto:Linda.Parks@ventura.org)>  
**Subject:** Somis Apartment Project

Good afternoon,

On behalf of my husband and I and numerous concerned residents of Somis, we vehemently oppose the proposed apartment project on Highway 118. The Highway 118 is already congested with commuter traffic and adding apartment complexes will exponentially compound the issue. Further, it would be unsafe and increase liability to the city and county to have housing on such a busy highway due to a likely increase in both traffic accidents and pedestrian accidents.

Furthermore, in light of County and State orders to shelter in place/social distance and mandates that prohibit public gatherings, the public hearing should be continued.

Sincerely,

Margaret Hernandez  
La Cumbre Rd., Somis

**Melissa Whittemore**

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**From:** John Lane <lane101@icloud.com>  
**Sent:** Friday, May 1, 2020 1:44 PM  
**To:** Bertoline, Justin  
**Subject:** Farm workers housing

Justin,

Could you please provide the following information for the scoping of proposed Farm Workers Housing Project.

When and where the Scoping Meeting was announced.

Copy of information provided to persons that attended Scoping Meeting.

Where interested persons can obtain a copy of the proposed project and other information required by CEQA.

What is the present zoning at the proposed site.

Is the project located on property that will require voter approval if it is zoned agriculture.

Thank for your time.

John Lane  
Lane101@icloud.com

Sent from my iPad

## Melissa Whittemore

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**From:** b.macriortiz@verizon.net  
**Sent:** Thursday, April 23, 2020 1:52 PM  
**To:** Bertoline, Justin  
**Cc:** Ward, Dave; Prillhart, Kim; White, Dave; 'Armando Lopez'; 'Lisa Woodburn'; 'Bill Teller'  
**Subject:** Somis Ranch Project Scoping Meeting/EIR

Hi Justin,

I thought you guys did a nice job under the circumstances last night. The Zoom meeting, granted, was a little strange, but the logistics worked relatively smoothly and I think that everyone who wanted to talk got a chance to talk. It was smart to allow folks, namely Pat Richards, to chime in more than once. I think he was the guy who objected to the 3 minute time limit. But it was clear from the way the meeting unfolded that everyone who wanted to talk got a chance to do so and no one was cut off. So Good job! Thank you!

I was disturbed with some of the comments from folks who should know better, namely Richard Francis. Farm worker housing complexes are clearly allowed under the existing general plan land use element and zoning and as acknowledged by the text of the SOAR ordinance. If I were to put a positive spin on this -- perhaps Richard was hinting that the EIR document needs to address the general plan and SOAR ordinance head on to make it clear that the project is an allowed use in the agricultural zone and consistent with the General Plan and SOAR; and that no General Plan amendment is necessary! The SOAR folks who may be in favor of the project perhaps want/need this cover. So maybe that is not a bad thing. I know the reason there was no bullet point for the general plan was because there was no reason for further study. Richard should have known that too. But nevertheless, it might make sense to go through this exercise within the body of the EIR so that the answers to the questions will be readily accessible to all, including the decision makers. Actually, that may already be part of the plan for the document because there is usually some mention of the planning/zoning in the document to put a project in the proper context.

Anyhow, these are my thoughts. Feel free to give me a call if you would like to discuss any concerns or any of the points raised by the public last night.

Stay safe,

Barbara

Law Office of Barbara Macri-Ortiz  
P.O. Box 6432  
Oxnard , CA 93031  
Tel: (805) 486-9665  
Fax: (805) 487-1409  
[b.macriortiz@verizon.net](mailto:b.macriortiz@verizon.net)

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## Melissa Whittemore

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**From:** Annette Prosser <annetteprosser@gmail.com>  
**Sent:** Tuesday, May 5, 2020 7:10 PM  
**To:** Bertoline, Justin  
**Subject:** farmworker housing project

I understand the need for affordable housing for farmworkers. However, I am concerned about the site chosen. Many of these farmworkers and/or family members ride their bikes to and from work or other activities. With the location of the housing on the corner of two very busy roadways, they will be riding on these roads. I have already come across bike riders in the dark riding on Lewis Road, without proper safety gear. For the safety and well-being of all I strongly urge you to find a more suitable location.

Thank you,  
Annette Prosser  
Camarillo

## Melissa Whittemore

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**From:** Pat Richards <patrichardsrps@gmail.com>  
**Sent:** Tuesday, May 5, 2020 10:14 AM  
**To:** Bertoline, Justin; Fogg, Mindy  
**Cc:** Parks, Linda  
**Subject:** Comments Regarding the EIR Notice of Preparation for Case PL19-0046  
**Attachments:** Comments Regarding Proposed EIR for Case PL19-0046.docx

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May 5, 2020

To: Mindy Fogg, Commercial/Industrial Permits Manager  
Justin Bertoline, Permit Planner/LCA Contracts

RE: Comments Regarding the EIR Notice of Preparation for  
Ventura County Planning Division Case PL19-0046  
Somis Ranch Farmworker Housing Complex

Please find attached my comments regarding the preparation of a proposed Environmental Impact Report (EIR) for the above project

This project is proceeding under the presumption that it is exempt from the limitations and provisions of the 2050 SOAR Initiative. I would appreciate the Planning Department providing me a written explanation regarding the logic used to reach this exemption conclusion.

Please note my dissatisfaction with the manner in which the Public Notice was given for the teleconference EIR Scoping Meeting. The Community of Somis will be impacted by the proposed development should it be approved. Therefore, there should be a greater effort by the Planning Department to provide adequate notice of future meetings, and public hearings regarding this project. A suggestion as to how this might be accomplished is included at the end of my attached comments.

Please include my name to any future notice(s) pertaining to the above project.

Regards,

Patrick Richards  
4291 Blackbery Lane  
Somis, CA 93066

ATTACHMENT: Comments By Patrick Richards Regarding Proposed EIR for Case PL19-0046 Notice of Preparation Somis Ranch Farmworker Housing Project, May 5, 2020

**Comments by Patrick Richards Regarding Proposed EIR  
For Case PL19-0046  
Notice of Preparation  
Somis Ranch Farmworker Housing Project  
May 5, 2020**

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- I would like to begin by saying that holding the EIR Scoping meeting on April 22, 2020 via a teleconference, was not suitable while we're in the middle of a pandemic. Many in the Somis area that will be affected by this project either have no internet service or it works only sporadically. The Governor's Executive Order N-25-20 (March 12, 2020) only "authorized" the use of teleconferencing; it did not mandate that it be used.
- The analysis process used for this EIR will be flawed inasmuch as we are in the middle of a pandemic.
- The Public Notice (Orange Post Card) states that the Notice of Preparation is available at the Planning Division public counter. The Ventura County Government Center was closed effective March 18, 2020. How is one to obtain a copy of the NOP, or more importantly, the Initial Study Checklist (located in the case file) when the Government Center is closed? Without access to the Initial Study Checklist and Discussion of Responses; how is a person able to agree or disagree with its conclusions? The Public Notice (Orange Post Card) also does not list a deadline as to when comments pertaining to the proposed EIR are due. Is this a procedural flaw?
- I am very much concerned about the possible growth inducing impacts of this type of project being replicated within AE zoned property throughout the County. I

believe that all available AE zoned properties should be considered for a growth inducement discussion within the EIR. I would recommend that the EIR Alternative Section identify AE zoned property (a minimum of five locations) where this project could also be located and what positive or negative environmental aspects of each location would be.

- A review of the County’s SOAR Initiative 2050, Section 4. Exemptions For Certain Projects makes no reference to Farmworker Housing. Also a review of County Council’s summary to the Board (November 25, 2015) of the 2050 SOAR Initiative references an added goal to the County General Plan that would “promote infrastructure for farmworker housing.” A review of the full text of the 2050 SOAR Initiative, Section 1.6.1 Goals, lists no such text. The EIR should explain the logic used to determine that this project is exempt from SOAR.
- The Notice of Preparation states that the proposed waste water treatment plant will be operated by a “Public Agency.” That Agency needs to be identified in the EIR. Has the Regional Water Quality Control Board reviewed this project? If not they are an approval agency and should be. The discharge of effluent must be in compliance with the California Regional Water Quality Control Board requirements.
- The EIR needs to expand on the County’s General Plan Goal 4.4.1-1 and Policies 4.4.2-1, 3, 4 &5 as they relate to this project. How does this proposed package treatment plant meet ALL the applicable requirements of the following:
  - Porter – Cologne Water Quality Control Act
  - California Code of Regulations. Title 22

- California Regional Water Quality Control Board Basin Plans
- Uniform Plumbing Code
- The 2050 SOAR Initiative does not address an exception for creating smaller AE zoned lots as proposed by this project. The EIR should explain the logic used to amend the Non-Coastal Zoning Code to allow smaller lots within the AE zone when the 2050 SOAR makes no reference to such action as allowable.
- The Notice of Preparation does not address potential impacts to schools. Somis School may not have the capacity to accept a significant number of new students. The same issue may affect the Oxnard Union High School District.
- The Notice of Preparation does not address potential impacts to Fire or Police due to an increase in calls for service. The Somis Station 57 is quite small compared to other County Fire Stations. The EIR should evaluate if this station would need to be enlarged due to the project.
- The Figures as part of the Notice of Preparation that are online are not readable. Specifically, Figure 3. Project Site Plan.
- Why is the County's Initial Study analysis of this project not listed online?
- The Notice of Preparation does not address hazards such as liquefaction or subsidence inasmuch as the project is located near the Calleguas Creek.
- The Notice of Preparation does not address how much Prime, Statewide, Unique or Local agricultural land is going to be taken out of production. The EIR should address this matter.

- **The Notice of Preparation does not address what cumulative effects the project will have on the Pleasant Valley Groundwater Basin.**
- **The EIR should address how will NPDES requirements be met?**
- **The EIR should analyze which possible drainage impacts may be created by the project. Will the EIR require the construction of a storm drain system to expel into Calleguas Creek?**
- **The proposed EIR should include a discussion regarding lighting glare as it pertains to the possible impacts to surrounding residential uses, the adjacent Rancho Campana High School and as viewed from Somis Road (SR 34).**
- **The Proposed EIR should consider the view shed as seen from Somis Road. Inasmuch as there are no other three story buildings along State Route 34 from the 101 Freeway to its terminus at State Route 118 (Los Angeles Ave.)**
- **The impact to Water District No19 will be dramatic inasmuch as their capacity to serve 360 residential units is nearly double the current number of rate payers (currently about 800). The EIR should analyze not only the capacity of Water District No.19 but also determine whether or not this project will demand a water rate increase. The EIR also needs to analyze what infrastructure improvements would be needed by Water District No.19 to support this project.**
- **Although a traffic study will be analyzed as part of the EIR process, I would expect to see a detailed discussion regarding what improvements would be needed along SR 34 (Somis Road). Currently this State Highway is only one lane in each direction. The EIR should also address the potential growth inducing**

impacts of this project's roadway improvements. Representatives from Caltrans have in the past made it very clear that their intention is to widen Somis / Lewis Road to a four (4) lane highway. Will this project be the impetus for Caltrans to begin this process?

- The Notice of Preparation does not address that Community Character would be analyzed. Inasmuch as there are no three story residential buildings within the Somis Community; nor are there any along the SR34 from the 101 Freeway to Highway 118. The EIR should address this as a potential impact. The EIR should address if the project meets the General Plan Goals of 3.1.1-2 through -5 or Policies 3.1.2-2,3,5,6,7,8,10 & 11
- The EIR should address whether or not the project will require a bus stop or facilities to promote the use of bicycle transportation. Will a bus stop at the project location, preclude not having one within the downtown area of Somis?
- My final comment pertains to the manner in which the public was given notice of the April 22, 2020 teleconference meeting. As the chairman of the Somis Municipal Advisory Council I did not receive notice of the above meeting. I was informed at the zoom public hearing that it was not in our "Sphere of Influence." This proposed project will have significant impacts to the residents of Somis (ie. traffic and school impacts) and will clearly be of interest and concern to the Somis Community. Please, in all future communications include the Somis Municipal Advisory Council. In the past, including notices in the Waterworks District No.19 water bill has been an effective way to get the word out to the Somis Community.

## Melissa Whittemore

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**From:** S Jill Rieger <jillriegs@gmail.com>  
**Sent:** Tuesday, May 12, 2020 6:00 PM  
**To:** Bertoline, Justin  
**Cc:** S Jill Rieger  
**Subject:** Farm Workers Housing - Low Income Somis/Camarillo

Dear Justin,

Many have expressed opinions addressing the the lack of hospital and school facilities to accommodate the large influx that this development would create. Additional infrastructure required for the surrounding cities and communities would become a burden. The traffic impact was done in March of this year before the already approved development at St John's seminary has even broken ground. How was this calculated into the study - that intersection is already busy and will become significantly more active with the St Johns housing development. All of these are major concerns that need to be addressed.

But there are what I feel are even greater issues at hand. Key factors to consider are "is this the best way to address low income housing for farm workers" - all lumped together in one huge facility far from the farms they work. The development will not be where the majority of the farms are. The county should consider something that was adopted up north by wineries and other farms dependent on farm labor. They built housing for the farm workers on the farms where they worked. This facilitated a better living environment for the workers and helped eliminate the huge carbon footprint you are proposing. Walking to work is a nice thing.

Another paramount issue that the Board of Supervisors and the county have totally ignored is the fact that technology is moving a light-year speed. Robotics and artificial intelligence will be moving very fast. How long will the large number of farm workers be viable. When technology eliminates many of the low-income jobs, what will happen to the huge housing centers that they occupy? If the housing was built on the farms serviced by the workers, the contraction would be gradual and systematic. We would not end up with a huge building to deal with at one time. In addition, should the nature of pandemics repeat itself - a development such as this is a lucrative hot spot.

The landscape of low income workers is going to change in leaps and bounds - will be I looking to build huge onclaves for food workers, or clerical workers, or other unskilled low-income workers? Start thinking differently of other possible solutions that make sense both economically and socially. Building housing on the farms where workers work is a good idea for everyone. Totally reduces the pros versus cons to a logical solution. Don't let the incentives offered negate common sense.

Please add me to your contact list relative to this issue, and please make a better decision than what is currently on the table.

Regards,  
Jill Rieger



## Melissa Whittemore

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**From:** Ron Rieger <rvrieger@rmcsolutions.com>  
**Sent:** Tuesday, May 12, 2020 7:08 PM  
**To:** Bertoline, Justin  
**Subject:** Somis Ranch Farmworker Housing Project

Justin,

My questions are as follows:

1. Will there be some type of control on the number of people that can live in a rental unit? What will prevent overcrowding? What will prevent the creation of a slum with all the legal and medical problems that follow? Perhaps this one, and probably the next pandemic will create a health catastrophe not only in the Housing Project but for everyone in the local area (e.g., Camarillo, Somis,...)
2. Over the next few years we will need (and possibly, allowed) fewer and fewer workers. Among other things, automation, including robotics, will reduce the need for field workers significantly. As an example, with about \$200K we can build a robot prototype today that can pick strawberries. The selling price for each production robot is about \$15K with a life of about 5 to 10 years. The robots reduce costs and health concerns, both for the field workers and the fruit that is harvested. Is this then housing for the homeless? Are we building another future Camarillo State Hospital without the support staff?
3. Will the location and housing density create traffic problems in the neighborhood? Does the report address the current plans for housing/traffic congestion in surrounding areas or is it based on what exists today?
4. Doesn't it make more sense and reduce risk significantly by spreading out this population throughout Ventura county?
5. Will Camarillo be indirectly subsidizing this Housing Project? Camarillo already subsidizes Oxnard.

Best regards,  
Ron Rieger

## Melissa Whittemore

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**From:** somis5@cs.com  
**Sent:** Friday, April 17, 2020 3:43 PM  
**To:** Fogg, Mindy; Bertoline, Justin; Ward, Dave; kim.phillhart@ventura.org  
**Cc:** Parks, Linda; Terry, Vanise  
**Subject:** Somis "Farmworker" Housing

Dear Mindy, Justin, Dave and Kim:

A friend of mine just forwarded me Mindy's email on the scoping email for the Somis apartment project.

I did not receive it, despite having sent numerous emails to Ventura County Planning on this subject and to Supervisor Parks.

Seems it was a haphazard email sent to just a few.

I have voiced my opinion that the scoping meeting on Thursday, April 22nd should not be taking place during a pandemic, especially if it is a one of a kind meeting.

Very few know about this meeting. It has not been properly publicized.

Why do we need to go ahead with such meeting during a pandemic and when it is an exclusive club to be invited to be on the call???

No one has answered my question despite my sending an email to Dave and Kim.

I have called Justin twice to get some simple questions answered. No call back.

All I get is one big DIAL TONE from Ventura County.

Quite frankly, I can understand that during a pandemic.

What I can't understand is why you guys insist on having this exclusive scoping meeting via teleconference next week.

Brett Tibbitts  
Somis

**Melissa Whittemore**

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**From:** somis5@cs.com  
**Sent:** Tuesday, April 21, 2020 9:48 PM  
**To:** Bertoline, Justin; Fogg, Mindy  
**Subject:** Comments on Case No PL 19-0046  
**Attachments:** farmworkeraprtments.1.docx

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Attached are my initial comments on the NOP and Notice of EIR for the Somis "Farmworker" Apartment Project - Case No. PL 19-0046.

Please send me a reply email so that I can know that you received these comments.

Brett Tibbitts  
Somis

## Melissa Whittemore

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**From:** somis5@cs.com  
**Sent:** Thursday, April 23, 2020 3:53 PM  
**To:** Bertoline, Justin; Fogg, Mindy  
**Cc:** Parks, Linda; rlf@lawrlf.com; richardse@roadrunner.com; patrichardsrps@gmail.com  
**Subject:** 4.22.20 NOP/EIR Scoping "Hearing" on Somis Apartments

Justin and Mindy:

I am puzzled and troubled by several aspects of yesterday's "hearing" on the Somis Apartment Project.

1. As I pointed out in my email to you dated 4.20.20, I do not believe the County did an adequate job in publicizing this "hearing" for it to qualify as the only Public Hearing on the scoping component of the EIR. Pat Richards also did an excellent job on the call of pointing out the deficiencies of this "hearing".

**Please tell me how public participants were on the call? By that I mean, people that are not county employees and/or consultants for the County and/or the applicant.**

2. You guys glossed over the proposed project's compliance with SOAR and just treated it as a given. There are many of us who do not accept this premise, as very deftly pointed out by Richard Francis on the call. I also addressed this issue in my 4.20.20 email to you.

**Can you tell who in the County did the analysis that the project is complaint with SOAR and can you give me a copy of their analysis.**

3. This project seems to be a great enigma as to where it is located. Camarillo says the project is in Somis and won't let the applicant tie in to their sewer lines. So we end up with a messy treatment on site process. However, Camarillo has just annexed land immediately adjacent to the property.

Justin, you said the project would depend upon Somis School for elementary, District 19 for water and the Somis Fire Department.

Yet you also told Pat Richards that this project is not subject to review by the Somis MAC because it is outside of its jurisdiction.

Obviously, there are some huge contradictions here. The project cannot be dependent upon Somis School, District 19 and the Somis Fire Dept and be outside of Somis. I am guessing that whatever analysis that was done by the County on SOAR compliance was based upon the project's being in Somis as opposed to Camarillo.

So, you cannot have it all ways on this. Either the project is in Somis or it is in Camarillo. The County needs to pick its answer and stick with it and stop saying one thing one minute and another thing the next minute.

**Is the project in Somis or Camarillo?**

I look forward to your answers to these three questions.

Brett Tibbitts  
Somis

## Melissa Whittemore

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**From:** somis5@cs.com  
**Sent:** Wednesday, May 6, 2020 11:39 AM  
**To:** Bertoline, Justin; Fogg, Mindy  
**Cc:** Parks, Linda; Terry, Vanise; Prillhart, Kim; Ward, Dave  
**Subject:** Comments From Brett Tibbitts on Scope of EIR Needed for Somis "Farmworker" Apartments - Case PL19-0046  
**Attachments:** farmworker.2.0.docx

**CAUTION:** If this email looks suspicious, DO NOT click. Forward to [Spam.Manager@ventura.org](mailto:Spam.Manager@ventura.org)

Justin and Mindy:

In accordance with your assurances that the public comment period for submitting comments on the scope of the EIR to be undertaken by the County on the proposed Somis "Farmworker" Apartments (Case PL19-0046) would be open until May 13, 2020, I am hereby submitting my second set of comments on the scope of the EIR needed for the project. My first comments were submitted to you on April 21, 2020 - before the teleconference on April 22, 2020. These second set of comments reflect new information I have learned about the project since April 21, 2020 and are set forth in the attachment to this email.

I request that you reply back to me that you have received these comments and that they will be part of the public record and discourse within the Planning Dept. to determine the scope of the EIR.

Respectfully submitted,

Brett Tibbitts  
PO Box 679  
Somis, CA. 93066

Date: May 6, 2020

To: Justin Bertoline & Mindy Fogg

Copies to: Supervisor Linda Parks, Kim Prillhart, Dave Ward

From: Brett Tibbitts, Somis Resident

Re: 2<sup>nd</sup> Comment Letter on Scope of EIR Review and NOP for  
Somis "Farmworker" Apartments – Case PL19-0046

This memo is intended to present my second set of comments on the Scope of the EIR Review and NOP for the proposed Somis "Farmworker" Apartment project – Case PL19-0046. My first set of comments were submitted on April 21, 2020, and based upon the limited information I could find on line about the project. On the teleconference that took place on February 22, 2020, you both stated that the public has until May 13, 2020 to submit comments regarding the scope of the EIR Review and NOP to be conducted by the Ventura County Planning Department and its consultants for this project.

I am submitting a second comment letter as a result of information I learned on the teleconference call and information I received from Justin in response to questions I submitted via email the day after the conference call.

**1. County's Bad Faith in Holding February 22, 2020 Meeting Via Teleconference During the Covid-19 Pandemic**

The County acted in bad faith in holding a scoping hearing via teleconference on April 22, 2020 during the Covid-19 pandemic and shelter in place requirements. Very few people in Somis got notice of the teleconference. The County admitted on the teleconference that it did not send out notices to the Somis community notwithstanding the large impact the proposed project would have on the small Somis community. The County stated that this is because the project is in the Camarillo sphere of influence.

Most people in Somis did not even know about this project at the time of the April 22, 2020 hearing, let alone today. They did not receive notice of the hearing and there is no sign on the site to notify the community of the project.

The County needs to admit the errors of its ways and hold a properly noticed hearing on the scope of the EIR for this project that fully involves the Somis community.

## **2. Somis Municipal Advisory Council Review**

Supervisor Linda Parks has promised the proposed Somis “Farmworker” Apartment Project will come before the Somis Municipal Advisory Council (MAC) for public review. This commitment needs to be honored by the County.

The County Planning Department is not operating in good faith in its efforts to avoid scoping and planning reviews before the Somis community. Somis is a very small community. This proposed is intended to rely on Somis community services, such as elementary and intermediate schooling, water and fire services.

Yet County Planning personnel say that the Somis community should not have a voice in the planning review of this project because it lies just a few feet outside of the boundary of Linda Parks’ Supervisorial District.

The County cannot have it both ways to avoid a coherent review of this project. If the project is in Somis and if it is dependent upon the Somis community for services, then it is essential that this project come before the Somis community for review.

Right now, the project is a little bit here, a little bit there and there is no coherent review.

## **3. Zoning and SOAR Compliance Review**

In my April 23, 2020 email to Justin Bertoline and Mindy Fogg, I stated that County Planning Staff assumed the project’s compliance with zoning and SOAR during the April 22, 2020 teleconference. Therefore, I asked to be supplied with the name of the person in County Planning who completed a review that this project was zoning and SOAR, along with a copy of their written review.

In Justin Bertoline’s April 27, 2020 reply to my April 23, 2020 email, Mr. Bertoline referred me to Section 8103-2.7 of the Ventura County Non-Coastal Zoning Ordinance for evidence of the project’s compliance.

**a. Illegal Proposed Lot Subdivision** Section 8103-2.7 states that “parcels of less than the prescribed minimum acre lot size may be allowed for Farmworker Housing.” A normal reading of this Section would require that the parcel already be a parcel that complies with this requirement. It would appear the real intent and purpose of this section is to allow farmworker housing in smaller infill lots.

In this case, the developer wants to subdivide the existing 36.4 acre parcel into four lots. Section 8103-2.7 does not call for such a scenario or allow for subdivisions of existing lots.

Section 8103-2.7 calls for allowing farmworker housing on an exiting parcel of less than 40 acres in an AE Zone “provided the **remaining non-farmworker** housing complex is a minimum of 10 acres.”

But in this case, the three lots the developer wants to use for the apartment complex in this project will **not each have** “a remaining non-farmworker housing” area of a “minimum of ten acres”. Unlike the other provisions within Section 8103-2, there is NO provision or allowance for subdivision within Section 8103-2.7.

**Thus, the three subdivided lots cannot comply with Section 8103-2.7, and the project fails the Non-Coastal Zoning Ordinance on its face.**

Furthermore, one is hard pressed to understand how a massive project of 360-units of apartments complies with the spirit and intent of infill farmworker housing. Since the implementation of the Guidelines for Orderly Development decades ago, the guiding principle of Ventura County has been that large development projects of this project’s size and scope should occur within city limits and not in County unincorporated areas.

**b. Project Must Be Principally for Farmworkers** Finally, with respect to Section 8103-2.7 compliance review, the project must be for farmworkers. Under the Zoning Ordinance, “farmworkers” are defined as “persons principally employed within the County of Ventura for activities associated with Crop and Orchard Production”.

Nowhere in the descriptions of this proposed project to date is there any information showing how the developer is going to comply with this requirement. Instead, the public information available states that the developer will be renting the apartments to people who make over \$90,000 a year.

One would have to be rather gullible to believe that a developer who intends to rent its apartments to people who make up to over \$90,000 a year has a true interest in renting to farmworkers. Farmworkers simply do not make \$90,000 a year, even a husband and wife farmworker. I know farmworkers who have been denied housing in another Ventura County farmworker apartment complex because they made just over \$50,000 a year.

If the developer is going to be allowed to charge rents based upon incomes of over \$90,000 a year, farmworkers are going to be completely squeezed out of this project.



Furthermore, a normal reading of 8103.27 would require that the apartment project remain principally for farmworkers as long as there is a need for such apartments. This needs to be included in any analysis to be certain the developer cannot weasel out of such requirement in the future – especially if the developer sells the project(s).

**c. SOAR** Additionally, Section 2.g)iii) of the voter-approved SOAR initiative requires that “there is no existing residentially designated land available to accommodate the proposed development.” If there is, then the project cannot be approved. I have yet to see any review of this requirement with respect to this project – and it must be performed thoughtfully and thoroughly to comply with the law.

#### **4. Impact on the Somis Community**

Somis is a small community where most of the land is still in agricultural production. Very little has changed in Somis in the past 40 – 50 years. We have a small school, a small fire department, a small water division, a small post office, a small (but well-stocked) hardware store, a small restaurant and store, a small vet’s office, and very few other businesses.

The community rallied hard 15-20 years ago to prevent Caltrans from four-laning Highway 118 through Somis, as it would have ruined agriculture in the Las Posas Valley and ruined the nature of Somis as a small community.

Now a developer comes in and wants to put a 360-unit apartment at the south end of Somis. No one would object to the need for farmworker housing in Ventura County. But a 360-unit apartment complex comprised of three story buildings is totally out of character with Somis. And one is very hard pressed to believe that this project will be more than partially filled with farmworkers.

Somis **does not** have the infrastructure to support such a project.

Camarillo **does** have the infrastructure to support such a project.

Camarillo just annexed Somis land right next to this project for its water de-salter project. Let Camarillo annex the property and process the application for the project. Again, development of this size and scope are supposed to be built within cities, not unincorporated County land.

Somis simply does not have the infrastructure to support this project. Each of the following areas needs to be carefully reviewed in the EIR for the project's impact on the following fragile resources, which are currently sized for the small community of Somis. It is extremely likely that these resources are completely undersized to accommodate a 360-unit apartment building in addition to handling the existing demands of the Somis community.

**a. WATER:** The project proponent plans on seeking a will serve letter from District 19 for water. District 19 is a small water district. 70 - 80% of the District 19's water comes from groundwater and 70 - 80% of the water is used for agriculture.

District 19 is the midst of a complicated legal battle due to the actions of Ventura County management. The farmers of the Las Posas Valley sued the County based upon an attempted power grab by County officials. Part of the lawsuit is close to being settled at this moment via allocation of draw rights from the groundwater. District 19 is receiving an allocation of the draw rights and the prospect of a 360-unit apartment project built within District 19's service area was not REMOTELY contemplated in the settlement.

This project will put a great deal of pressure on District 19 and its existing customers. This needs to be analyzed in the EIR, especially how the costs of water will increased in the District and the impact on current customers. Further, the community needs to be involved in this review, not just County water management.

Additionally, alternatives and mitigation need to be considered. District 19 does not currently service the proposed project site. However, Calleguas pipelines are located right by the project site. Although Calleguas is primarily a wholesaler of water, it does have other customers who are single purpose entities, such as American Jewish University and Butler Ranch. Calleguas seems to be the best alternative and least impactful way of providing water to this proposed project. Or, if the project were in Camarillo, it could receive Camarillo municipal water and the pipes are already right at the project.

**b. SEWAGE:** The project anticipates a large on-site sewage treatment and disposal plant for the project since Somis does not have a sewer district. However, the project is literally feet away from Camarillo. It seems rather ridiculous to allow for the environmental damage associated with a on-site sewage treatment plant for a 360-unit apartment complex when there is a sewer system a few feet away. This is also another good reason to have Camarillo annex the land and put it within Camarillo limits.

**c. TRAFFIC:** This project would have massive traffic implications burdening an already traffic congested area. I have heard that the developers have hired some traffic consultants to give them a report that the project will have no traffic impact. If that is the case, such a report could be considered nothing other than self-serving. A true and carefully thought through traffic study needs to be part of the scope of any EIR on the project, and it needs to be prepared by a truly independent agency.

**d. SOMIS SCHOOL:** Somis School is a small school with one class for each grade level from kindergarten to eighth grade. The leadership of Somis School presented a bond measure in 2012 for \$9 million to upgrade the existing school on site. The bond measure passed. Shortly after the passage, the leadership informed the community that it could not modernize the existing school due to the presence of natural gas pipelines on the property (gas lines that had been on the property for many, many decades). Somis School leadership stated that it therefore had to build a new school nearby. It has been almost eight years and nothing appears to have been done to improve the existing school and not much has been done to build a new school, except the school district apparently purchased land nearby. The project appears to be stalled out.

It would therefore appear that the children living in a 360-unit apartment complex will present a great strain upon Somis School if they are expected to attend the school. This needs to be thoroughly analyzed as part of an EIR before throwing all of the children in the proposed project into Somis School – which could very well not be capable of handling them on its own.

This issue would likely be another very good reason to have the project location annexed into Camarillo, which could handle the children from the project.

**e. FIRE FIGHTING SERVICES:** Somis has a small fire station. The addition of a 360-unit apartment complex to the community could put great strains upon this fire station. If the fire station needs to be enlarged or staffed higher, that needs to be included within the impacts of this project in the EIR review.

## Melissa Whittemore

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**From:** Joe Wigert <jwigert@gmail.com>  
**Sent:** Wednesday, April 22, 2020 1:55 PM  
**To:** Bertoline, Justin  
**Subject:** PL19-0046

I manage a farm immediately north of the referenced project. I have two concerns that I feel need to be addressed.

1. Treated effluent impact on watershed. Through participation in the Ventura County Agricultural Irrigated Lands group, the water run off from our properties are monitored for water quality impacts on the groundwater and river shed. How will the operation of a waste treatment facility interface with those regulations
2. Our property is mapped in the flood plain. I haven't checked flood maps but it would seem logical that the subject property would be mapped similarly as it is downstream and contiguous.

Thanks

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*Joe Wigert. 805 558 7111*

## Melissa Whittemore

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**From:** thomasfrost43 <thomasfrost43@yahoo.com>  
**Sent:** Thursday, April 16, 2020 10:07 PM  
**To:** Bertoline, Justin  
**Subject:** Somis Ranch Farmworker Housing Project | SCOPING MEETING for EIR scheduled for April 22 @ 6pm.

Somis Ranch Farmworker Housing Project | SCOPING MEETING for EIR scheduled for April 22 @ 6pm.

This meeting needs to be postponed until the lock Down is over.

To many things are slipping through the cracks in this county without the publics input. The online crap is not working because they can stack all questions to be positive and cut out any opposition. Being registered to attend zoom is not acceptable for railroading this project through behind closed doors.

This is not how a democracy works. When you plan to place a large project like this in a Township with no say. Shame on you.

Projects like this need to be side lined and extend just like the Residents force to Stay home.

If we can not go to a polling place to vote in person you should not be able to hold public hearings on a private chat room that you must be invited to.

Sent from my Verizon, Samsung Galaxy smartphone

# Appendix B

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Preliminary On-Site Wastewater Treatment System Design Report

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***PRELIMINARY ON-SITE WASTEWATER***  
***TREATMENT SYSTEM***  
***DESIGN REPORT***  
***for***  
***SOMIS RANCH***  
***FARMWORKER HOUSING***  
***PL 19-0046***

2789 Somis Road  
Ventura County, CA  
APN 156-0-180-285

Published: 10/23/2019

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Prepared By:



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[www.wreassoc.net](http://www.wreassoc.net)

## TABLE OF CONTENTS

	<u>Page</u>
I. BACKGROUND.....	1
II. ONSITE WASTEWATER TREATMENT SYSTEM DESCRIPTION.....	1
OWTS Overview.....	1
Physical Components and Operational Characteristics.....	2
III. RECYCLED WATER USE FOR AGRICULTURAL IRRIGATION.....	4
IV. APPLICABLE CODES, POLICIES, GUIDELINES, PERMITS AND APPROVALS.....	4
General Summary .....	4
Title 22 Report Approval.....	5
Water Quality Objectives .....	5
V. ADDITIONAL DESIGN CONSIDERATIONS .....	6
Physical Requirements.....	6
Setbacks.....	6
Wastewater Generation Quantities.....	6
Seepage Pit Quantity and Sizing.....	6

## LIST OF ATTACHMENTS:

- 1: Conceptual Onsite Wastewater Treatment Plant Site Plan and Dispersal Plan
- 2: FPZ Blower Technology Product Information
- 3: Peacemaker Air Scrubber Product Information
- 4: Preliminary Wastewater Generation Estimates
- 5: Preliminary Seepage Pit Sizing Calculations



## **I. BACKGROUND**

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Somis Ranch Partners, LLC, together with associated non-profit affordable housing developers to be determined (TBD), is proposing to construct a 360-unit farmworker housing complex on an approximately 18.4-acre site. The Project site is located on Somis Road, immediately north of and adjacent to the City of Camarillo limits, herein after called the "Project".

The proposed development includes subdividing the existing Project site into four parcels, three of which will be developed for farmworker housing. The three farmworker housing development parcels will consist of two parcels with 100 units (Phase 1 and 2) and one parcel with 160 units (Phase 3). Each developed parcel will be its own phase, with one parcel being developed at a time. The project also proposes a 3,000 square-foot Community Center to be constructed in each of Phase 1 and 3.

The proposed Project will be served potable water by Ventura County Water Works District Number 19. The property is currently located within the District's service area, with existing infrastructure in the vicinity.

The proposed Project is located more than 200 feet (i.e. 1,000 ft) from the closest existing Camarillo Sanitary District (CSD) facilities and is outside of the City limits and outside of CSD's limits. For these reasons, the CSD issued a "will not serve" letter for this Project which has been submitted as part of the CUP application packet. Therefore, it is proposed that the Project will be served by an on-site package wastewater treatment plant (PTP). The PTP will be the MEMPAC-M model membrane bioreactor treatment train, as manufactured by Cloacina, LLC (Arroyo Grande, CA).

Construction of the community wastewater PTP will be a part of the first phase of development, however, as additional housing phases are constructed, the PTP will be modified to meet wastewater generation needs of each additional phase.

Additionally, WREA met with Los Angeles Regional Water Quality Control Board (Board) staff to discuss the primary use of treated effluent as recycled agricultural irrigation water applied off-site, and associated waste discharge requirements (WDR) and water reclamation requirements (WRR).

The Partnership will serve as the responsible owner entity of the PTP, as is required by the WDR/WRR. The PTP will be operated and maintained by a contractual agreement with Ventura Regional Sanitation District (licensed wastewater operator).

## **II. ONSITE WASTEWATER TREATMENT SYSTEM DESCRIPTION**

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### OWTS Overview

For the purpose of this preliminary design report, the proposed OWTS is classified as an "alternate private sewage disposal system" as defined by the County's Building Code, Article 6, Amendments to the California Plumbing Code.<sup>1</sup> The OWTS product water will be classified as "disinfected tertiary recycled water," which is water that has been through the highest level of

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<sup>1</sup> California Plumbing Code, Section K.13(A).

wastewater treatment available and meets Waterboard WDR/WRR quality requirements.<sup>2</sup> Tertiary recycled water is recognized as a valuable resource and is suitable for direct beneficial use.<sup>3</sup>

The wastewater generated onsite will be collected by an underground system of pipelines that will gravity flow to a sewer lift station located within the enclosed area of the OWTS yard. The wastewater will be pumped from the lift station to the treatment plant where it will be processed into recycled water. As necessary, the recycled water will be stored and then reused for agricultural irrigation and/or dispersed on-site as described below.

### Physical Components and Operational Characteristics

A general description of the major OWTS system components and operating characteristics follows. Additional information is shown on the Conceptual Onsite Wastewater Treatment Plant Site Plan and Dispersal Plan in Attachment 1.

#### 1. Collection System

Collection of on-site wastewater will be comprised of a gravity system sanitary drainage pipe laterals connecting each point of use to the main collector. Manholes and cleanouts will be installed pursuant to the requirements of the California Plumbing Code (CPC).<sup>4</sup> The main gravity collector will terminate at a concrete shaft wet-well in a lift station located within the PTP yard. The lift station will include duplex pumps, controlled by level switches and timers that will lift the wastewater to the headworks of the PTP.

#### 2. PTP Process Flow

The influent force main from the lift station will discharge to a 2mm influent screen. Screened influent will discharge to the Transfer Chamber where it will then be pumped to equalization storage. Screened influent will be returned to the Anoxic Chamber (denitrification) at a calibrated rate, where it will be mixed with return activated sludge from the Membrane Chamber by a mechanical mixer. Monitoring equipment such as effluent level and dissolved oxygen sensor in the Anoxic Chamber. Anoxic Chamber effluent will enter the Aeration Chamber by gravity. The Aeration Chamber will be provided with effluent level, dissolved oxygen and suspend solids sensors. The Aeration Chamber will have a dedicated blower and diffusers.

Activated sludge from the Aeration Chamber will be transferred to the Membrane Chambers at four times the average daily flow rate or approximately 275 gpm.

The PTP will utilize Fibracast, FibrePlate™ FPC500 membrane cassettes. Activated Sludge will be returned, by gravity, to the Anoxic Chamber where it will be mixed with raw influent. Membrane permeate will discharge through in-line UV disinfection units prior to entering the Clear Well Chamber.

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<sup>2</sup> Disinfected tertiary recycled water is defined as “a filtered and subsequently disinfected wastewater” under the California Water Code, Division 4, Chapter 3, Section 60301.230.

<sup>3</sup> Recycled water is defined in the California Water Code, Division 7, Chapter 2, Section 13050 as “water which, as a result of treatment of waste, is suitable for a direct beneficial use of a controlled use that would not otherwise occur and is therefore considered a valuable resource.”

<sup>4</sup> CPC, Chapter 7, Part II, Section 719.

As required, effluent stored in the clear well tank will be pumped through each membrane cassette to perform a Backflash or Clean in Place. This will be done on a routine interval according to the manufacturer's requirements.

Solids concentration will be monitored by an on-line suspended solids meter located in the Aeration Chamber. Sludge wasting pumps will remove a portion of the activated sludge to an exterior sludge storage tank for appropriate removal and offsite disposal at a facility licensed to accept this type of waste.

The community center kitchens (if kitchens are included) will require grease interceptors per the CPC to remove grease and oil to a maximum level of 50 mg/l prior to PTP treatment.

### 3. Noise

Noise generation from the PTP is a result of pump and blower equipment operating during the normal treatment process. The lift station pump/motor sets are submerged and with generally imperceptible noise. Blowers will contribute to the most significant noise generation. The manufacturer's specification sheet for the anticipated blower associated with this PTP reports noise level to be approximately 79.6 decibels measured at 1-meter. The manufacturer (FPZ Blower Technology) blower equipment cutsheet is included in Attachment 2. If additional noise attenuation is required, custom enclosures can be fabricated to reduce anticipated noise to approximately 70 decibels at 1-meter.

The PTP area will be enclosed by a masonry block wall, which can provide an estimated 8 to 10 dB noise reduction.

### 4. Odor

The proposed PTP is active, meaning they use aeration, and the only potential source of odors is at the inlet to the facility. The PTP can be supplied with influent screen and first Anoxic Chamber completely enclosed to significantly reduce odor associated with treatment. A vent port is supplied on the Anoxic Chamber for connection to an air scrubber that will incorporate advanced odor control technology. Air scrubbers will provide two stage chemistry for the control of odors from hydrogen sulfide (H<sub>2</sub>S), mercaptans, ammonia, amines, and other odors generated in wastewater collection and treatment systems. The air scrubber will be manufactured by Peacemaker (or equivalent); a product information sheet is included in Attachment 3.

### 5. Seepage Pit Dispersal System

Excess recycled water generated that cannot be used for agricultural irrigation (e.g. during rainfall events), or recycled water not meeting water quality requirements, must be disposed of on-site in the proposed seepage pit dispersal system. The effluent dispersal system will include low pressure dosing system pumps that will transfer water from the diversion valve vault and distribute it through pipelines to the proposed seepage pits, located on the westerly side of the site. The Conceptual Plan in Attachment 1 shows the seepage pit dispersal system configured in sets of three pits (approximately 20 sets or 60 total pits). The actual number of pits and configuration will be determined through the effort of final engineering design phase. The recycled water released in the dispersal field will not be discharged onto the surface of the ground.

## 6. System Maintenance

The PTP will be contractually operated and maintained by licensed and certified operators of Ventura Regional Sanitation District, as retained by the PTP owning entity.

## 7. Phasing and Expansion

All components of the PTP will be constructed during Phase 1 to provide a fully functional wastewater treatment system, including overall footprint sized for full buildout of the development. As Phases 2 and 3 of the development come online, adjustments to process flow and additional internal equipment will accommodate increased wastewater flow demands.

### **III. RECYCLED WATER USE FOR AGRICULTURAL IRRIGATION**

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The recycled water will be used to provide agricultural irrigation to approximately 70-acres of off-site orchards adjacent to the Project. Currently, the orchards are being irrigated by an agricultural well with relatively poor water quality located outside of proposed Project Site. The primary objective of the recycled water portion of the project is to blend the well water with higher-quality recycled water to improve the overall water quality and corresponding orchard crop yield.

The Project proposes a 25,000-gallon (+/-) recycled water / irrigation water storage tank to be constructed at the north easterly corner of the Site. Onsite booster pumps will assist water distribution through a series of “purple” (i.e., recycled water) PVC pipelines and into separate off-site irrigation system(s). Offsite private easements may be required for irrigation distribution piping. All recycled water usage must be in accordance with applicable permits as summarized in the following section.

### **IV. APPLICABLE CODES, POLICIES, GUIDELINES, PERMITS AND APPROVALS**

---

#### General Summary

The PTP will be designed to comply with all applicable codes, policies, and guidelines. A general summary of anticipated standards that apply to the PTP:

- The Ventura County Non-Coastal Zoning Ordinance
- Ventura County Initial Study Assessment Guidelines
- The Ventura County OWTS Technical Manual
- The Ventura County Building Code
- The California Plumbing Code
- Los Angeles Regional Water Quality Control Board Basin Plan (Calleguas Creek Watershed)
- State Water Resources Control Board Order Order No. R4-2019-0024 - General Waste Discharge Requirements for Advanced Onsite Wastewater Treatment Systems
- State Water Resources Control Board Order WQ 2016-0068-DDW - Water Reclamation Requirements For Recycled Water Use

The Project will require permits and/or approvals from the following departments and agencies:

<b>Table 1: Approval Requirements</b>	
<b>Agency</b>	<b>Approval / Permit Type</b>
County of Ventura, Building and Safety Division	System Construction Permitting, Plumbing, Electrical and Structural permits and approvals.
Los Angeles Regional Water Quality Control Board	WRR <sup>1</sup> and WDR <sup>2,3</sup> "permits" and "approval to construct":
County of Ventura, Planning Division	Conditional Use Permit (CUP) and Zoning Clearance, specific to the Project.
California State Water Board	WRR <sup>1</sup>
<ol style="list-style-type: none"> <li>1. The "Beneficial reuse" of the recycled water for agricultural irrigation (either micro emitter applied or using sub-surface drip methods) will require a Water Reclamation Requirement (WRR) and an "approval to construct" from the Water Board.</li> <li>2. The application for approval will include, but not be limited to, system plans and calculations, percolation test results showing soils suitability for sub-surface dispersal, demonstration that the dispersal field meets setback requirements, and information regarding the water supply system.</li> <li>3. Ongoing Operation and Reporting - as a requirement of the WDR, a designated site supervisor will be responsible for the maintenance of the OWTS and including sampling and analytical procedures for reporting for proper treatment system performance. The PTP Owner will be required to retain the services of a Certified Operator to perform the overall management of the OWTS.</li> </ol>	

### Title 22 Report Approval

As stated above, the "beneficial reuse" of the recycled water will require a WRR from the Water Board. Titles 17 and 22 of the California Code of Regulations (CCRs), the Health and Safety Code and Water Code, regulate the use of recycled water, and such proposed uses require the submittal and approval of an Engineering Report (i.e., a Title 22 Report) for a "Production, Distribution and Use of Recycled Water" report.

Design and installation of the PTP is subject to regulation and approval by the local agency having jurisdiction. Thus, the County's Building and Safety Division and the Water Board will hold approval authority over the PTP. Once installed and approved, the Regional Board regulate the operation of the system. The discharge will be required to meet the Maximum Contaminant Levels ("MCLs") and Maximum Daily Loading ("MDLs") of constituents in the recycled water and will be tested either daily, weekly and/or monthly as required by each agency and as required by the Regional Board – issued WDR and WRR.

### Water Quality Objectives

The proposed PTP will produce recycled water with Nitrogen ("N") concentrations of less than 10 mg/l and will utilize an extended aeration method capable of treating all anticipated generation rates, with full tertiary treatment and disinfection. In order to meet WDR and WRR requirements, and Title 22 recycled quality parameters for application of recycled water, the PTP will produce "disinfected tertiary recycled water" for use in non-restricted public access areas. It will also include treatment for viruses. See Attachment F: *Title 22 Regulations Regarding Uses of Recycled Water for Irrigation* and *Disinfected Tertiary Recycled Water*."

The Basin Plan requirements for discharge of nitrogen are < 10 mg/l. Therefore, the level of wastewater treatment provided by the PTP is optimal for the Site conditions and satisfies Basin Plan requirements.

## **V. ADDITIONAL DESIGN CONSIDERATIONS**

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### Physical Requirements

The PTP yard will be located in the north western corner of the Site on approximately 5,000 to 7,000 square feet. The equipment will be discreetly screened from public views and neighboring properties by an enclosing masonry wall that will minimize visual impacts. The PTP active effluent dispersal field will be located along the westerly boundary of the Site on approximately 21,600 square feet, with an area of 21,600 square feet set aside along the northerly parcel line for dedicated 100% expansion area.

### Setbacks

Pursuant to Appendix H of the 2016 California Plumbing Code, component parts of alternate private sewage disposal systems shall comply with applicable setback requirements in Table H101.8 of the California Plumbing Code. The Project's components will be designed to meet or exceed the minimum clear horizontal distance to all items listed in said Table and as depicted in the Attachment 1 Conceptual Site Plan (including clear distance from property lines, seepage pits, trees, buildings, water lines, etc.).

### Wastewater Generation Quantities

The project's average daily wastewater generation is estimated to be 99,000 GPD at full build out (Phases 1-3 and Community Centers). Preliminary Wastewater Generation Estimates for the project are included in Attachment 4.

### Seepage Pit Quantity and Sizing

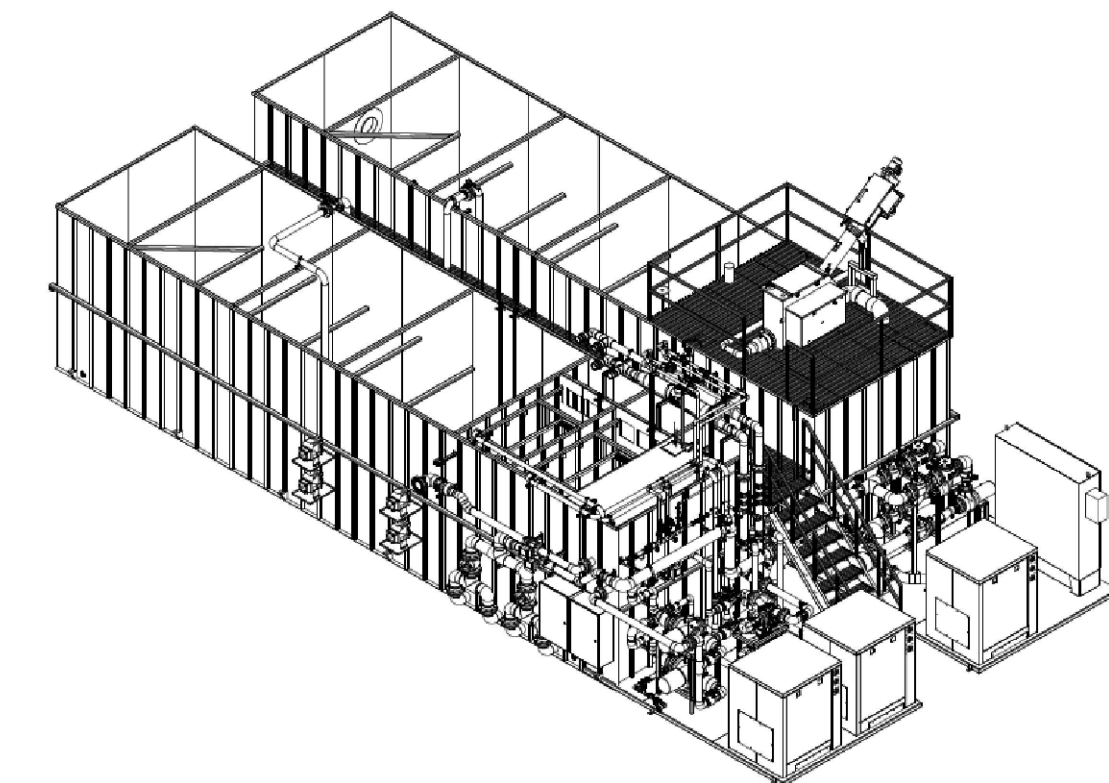
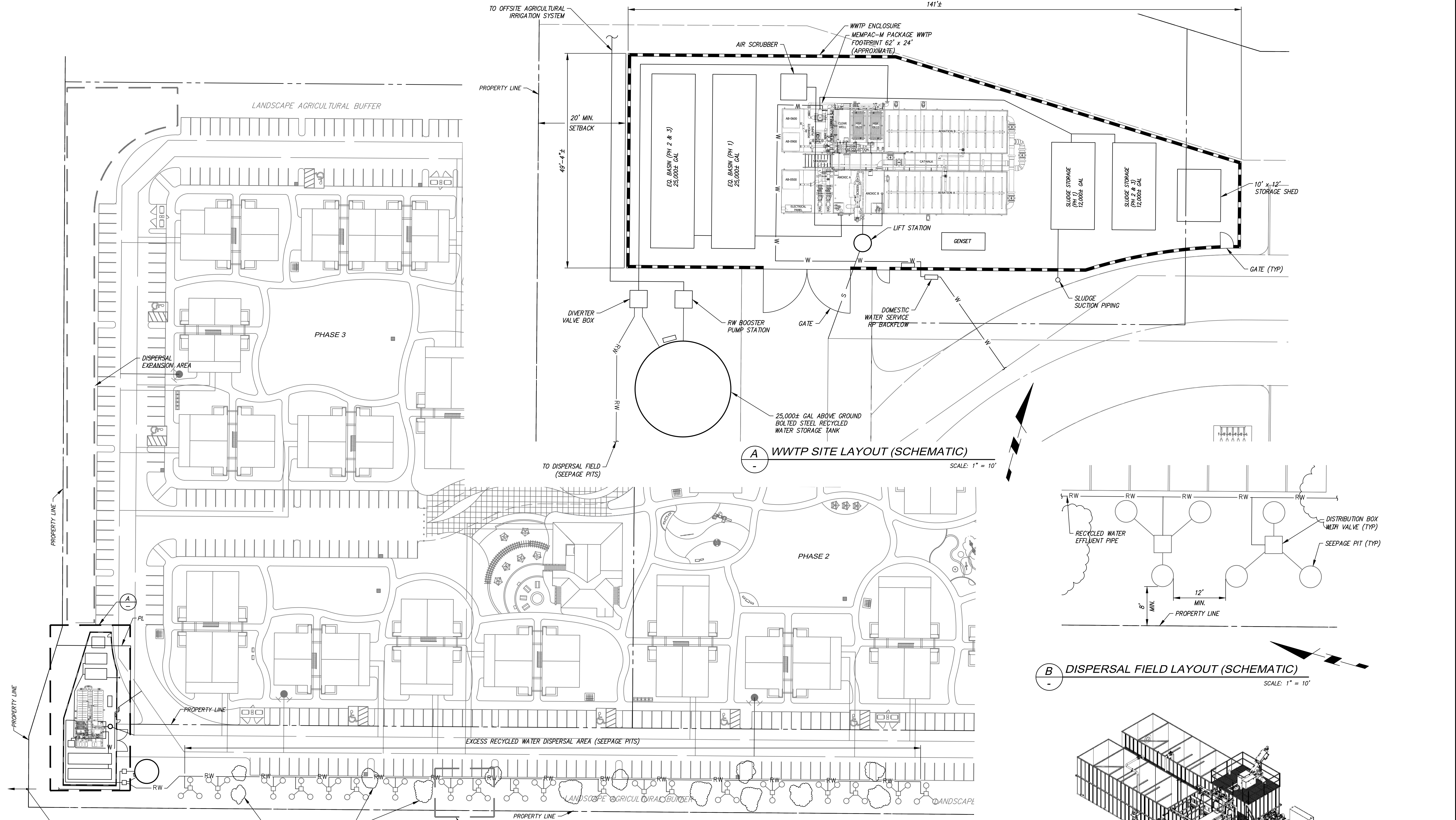
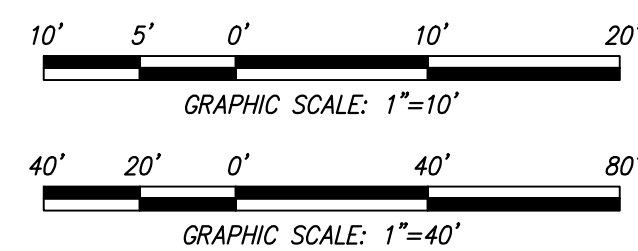
Performance testing for the proposed seepage pit locations was performed by Earth Systems Pacific, with results indicated in the report dated 9/24/2019. For the purposes of conceptual design and layout, it was assumed that seepage pits will be 5-feet in diameter and 50 vertical feet. Groundwater was not encountered in the onsite borings to a maximum depth of about 61.5 feet below the existing ground surface. Based on the minimum absorption rate per performance testing, the project will require approximately 60 seepage pits for dispersal of excess recycled water under full project buildout conditions. Preliminary Seepage Pit Sizing Calculations are included in Attachment 5.

## **ATTACHMENT 1**

Conceptual Onsite Wastewater Treatment Plant Site Plan and Dispersal Plan

Plot date: Oct 23, 2019 - 9:00am  
Drawing name: N:\Projects\3200\S3225-Somis Ranch Water and Sewer\04 DWG\06 Waste Water\3225-Prelim\WWTP.dwg

Plot by: Steve



**GENERAL NOTES**

THE PROPOSED PACKAGED WASTEWATER TREATMENT PLANT (WWTP) IS A CONVENTIONAL MEMBRANE BIOREACTOR TYPE, THE MEMPAC-M MODEL AS MANUFACTURED BY CLOACINA (ARROYO GRANDE, CA) (OR APPROVED EQUAL). THE PLANT WILL PRODUCE DISINFECTED, TERTIARY TREATED RECYCLED WATER FOR USE IN AGRICULTURAL IRRIGATION. EXCESS RECYCLED WATER WILL BE DISPOSED OF AT ON-SITE SEEPAGE PIT DISPERSAL FIELD. WWTP TO BE OPERATED UNDER CONTRACT BY PUBLIC AGENCY (VENTURA REGIONAL SANITATION DISTRICT OR APPROVED EQUAL).

AVERAGE DAILY FLOW (FULL OCCUPANCY) = 99,000 GPD

REVISIONS	BY	DATE	PROGRESS	BY	DATE

PREPARED BY: **WREA**  
**WATER RESOURCE ENGINEERING ASSOCIATES**  
 2300 ALESSANDRO DR, SUITE 215, VENTURA, CA 93001 • 805.653.7900 • 800-25-WATER • FAX: 805.653.0610  
 BENJAMIN T. FISCHETTI R.C.E. NO. 69360 EXP. 06-30-20 DATE

**ONSITE WASTEWATER TREATMENT PLANT  
 SITE PLAN AND DISPERSAL PLAN**

**SOMIS RANCH**  
**360-UNIT FARMWORKER HOUSING PROJECT**  
 SOMIS, CA



**CONCEPTUAL** N.T.S.



## **ATTACHMENT 2**

FPZ Blower Technology Product Information

**TECHNICAL CHARACTERISTICS**

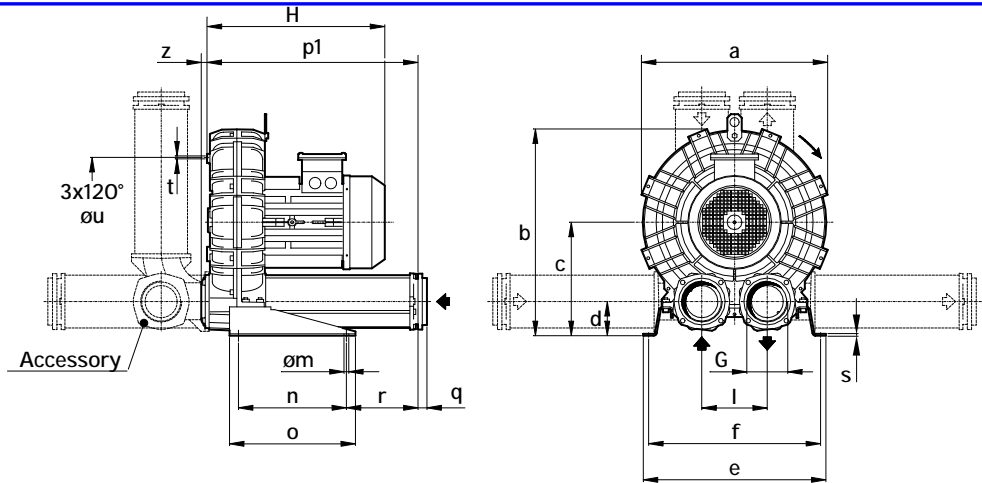
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

**OPTIONS**

- Special voltages (IEC 38)
- Surface treatments

**ACCESSORIES**

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches.

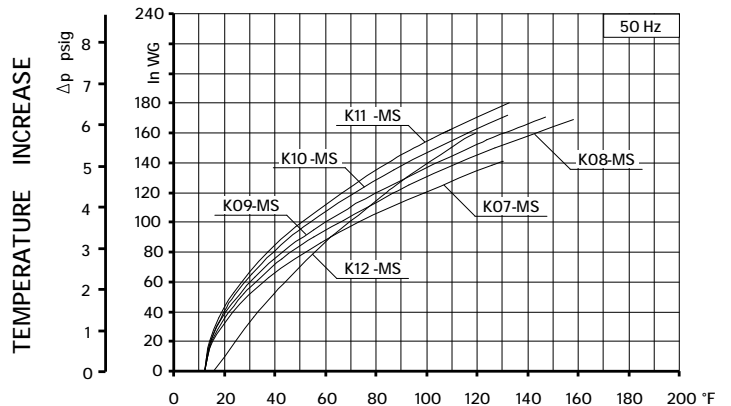
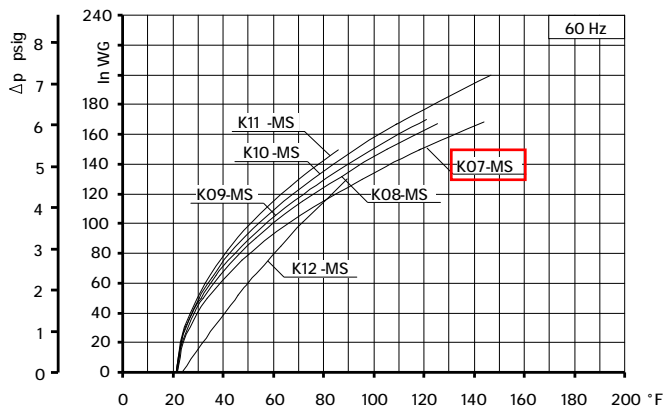
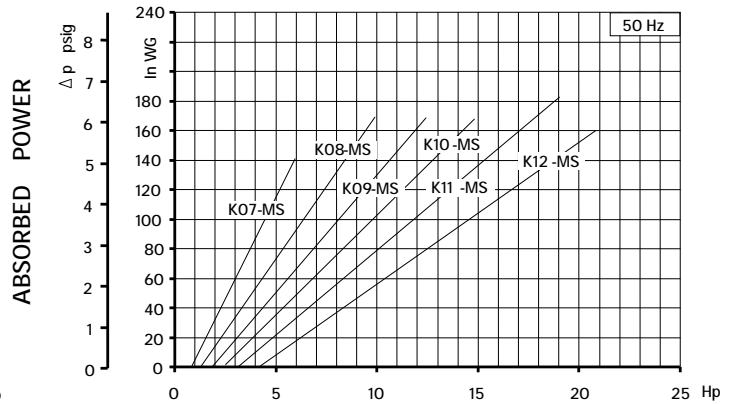
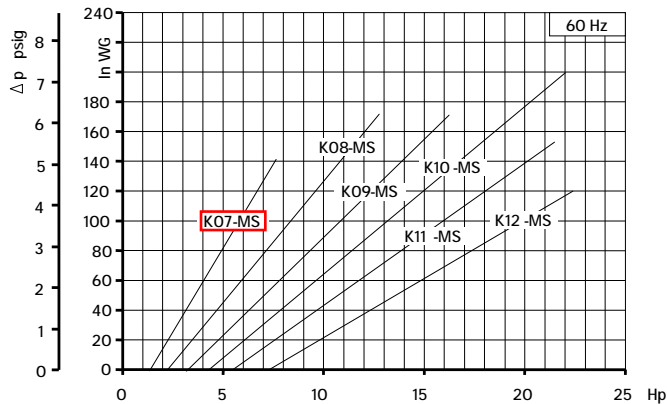
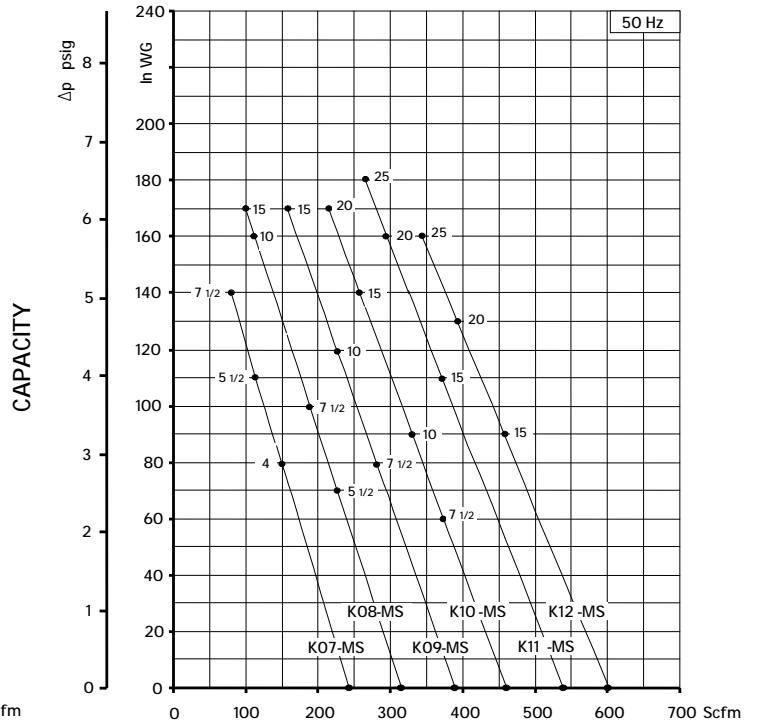
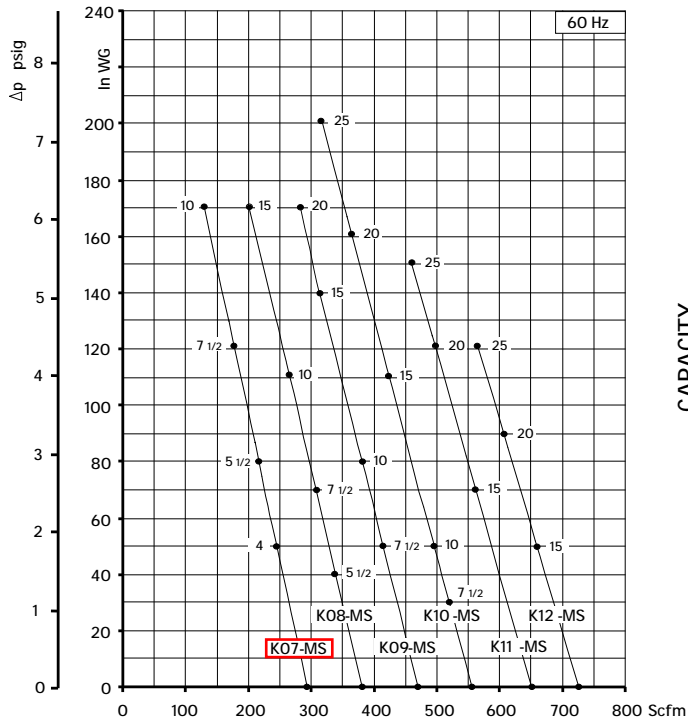
Dimension for reference only.

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K07-MS	16.69	18.84	10.59	3.23	18.43	17.24	3" NPT	6.10	0.51	11.81	13.78	20.16	0.98	5.39	0.20	M8	11.61	0.63
K08-MS	17.99	19.61	10.59	3.23	18.82	17.64	3" NPT	6.10	0.51	11.81	13.78	20.16	0.98	5.39	0.20	M8	12.2	0.63
K09-MS	19.37	22.09	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	23.07	0.98	7.83	0.20	M8	14.17	0.63
K10-MS	20.31	22.56	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	23.07	0.98	7.83	0.20	M8	14.17	0.63
K11-MS	21.34	23.74	13.07	3.58	21.26	20.00	4" NPT	7.87	0.51	11.81	13.78	23.46	0.98	8.03	0.20	M8	15.35	0.63
K12-MS	21.57	23.82	13.07	3.58	21.26	20.00	4" NPT	7.87	0.51	11.81	13.78	23.58	0.98	8.03	0.20	M8	15.35	0.51

Model	Maximum flow Scfm		Installed power Hp		Maximum differential pressure Δp (In WG)		Noise level Lp dB (A) <sup>(1)</sup>		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K07-MS	294	243	4	4	50	80	78.7	76.7	15.6	116.2
			5 1/2	5 1/2	80	110	79.0	77.0	16.3	119.0
			7 1/2	7 1/2	121	140	79.3	77.3	18.4	160.5
			10	10	171	-	79.6	77.6	19.1	172.6
K08-MS	381	316	5 1/2	5 1/2	40	70	79.7	77.7	16.3	124.8
			7 1/2	7 1/2	70	100	80.0	78.0	18.4	166.5
			10	10	111	160	80.3	78.3	19.1	179.0
			15	15	171	171	80.6	78.6	19.1	192.0
K09-MS	471	390	7 1/2	7 1/2	50	80	80.2	78.2	18.8	186.3
			10	10	80	120	80.5	78.5	19.5	199.0
			15	15	140	170	81.0	79.0	19.6	212.0
			20	20	171	-	81.3	79.3	22.0	245.0
K10-MS	556	460	7 1/2	7 1/2	30	60	80.1	78.1	18.8	189.6
			10	10	50	90	80.5	78.5	19.5	202.0
			15	15	111	140	81.0	79.0	19.6	215.0
			20	20	161	171	81.4	79.4	22.0	248.0
K11-MS	650	539	25	25	201	-	81.6	79.6	24.0	322.0
			15	15	70	110	82.4	80.4	19.8	226.0
			20	20	121	160	82.7	80.7	22.5	259.0
			25	25	151	181	85.6	83.6	24.0	333.0
K12-MS	726	602	15	15	50	90	82.9	80.9	19.9	229.5
			20	20	90	130	83.2	81.2	22.5	263.0
			25	25	121	160	86.1	84.1	24.0	337.0

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.  
Values for flow, power consumption and temperature rise: +/- 10% tolerance.  
Data subject to change without notice.

**ATTACHMENT 3**

Peacemaker Air Scrubber Product Information

# Odor Control Made Easy!<sup>®</sup>

## Peacemaker<sup>™</sup>

### H<sub>2</sub>S CONVERTING / POLISHING DRY AIR SCRUBBERS

#### AN ADVANCEMENT IN ODOR CONTROL TECHNOLOGY!

PEACEMAKER<sup>®</sup> Dry Air Scrubbers provide two stage chemistry for the control of odors from hydrogen sulfide (H<sub>2</sub>S), mercaptans, ammonia, amines and other odors generated in wastewater collection and treatment systems. They are easy to use, effective and economic.

- \* Lift Stations
- \* Grit Rooms
- \* Headworks
- \* Sludge Processing

In what follows, when we say “odor” we mostly mean H<sub>2</sub>S. We know there are other reduced sulfur and nitrogen-based compounds involved and we have planned for them, but H<sub>2</sub>S is the main culprit and is most important in discussion and design.

#### OUR DESIGN PRINCIPLE.....SIMPLICITY

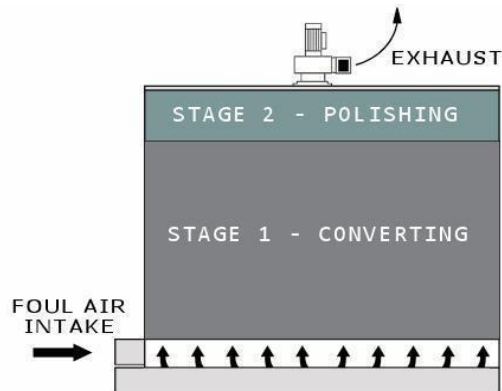
**“The Best Solution Should be the Simplest, but Not Simpler.”** — Albert Einstein

Often it is the simplest solution that works the best. Complexity is the enemy of effective, longterm odor control. Too much fussing, too many bells and whistles spell trouble.

Peacemaker scrubbers are one or two vessel fixed-bed systems, containing two stages of media.

There is one moving part, a blower. Only one thing can happen – foul air goes in; clean air comes out. There are no chemicals to add and there is no maintenance to do for the service life of the scrubber. When your Peacemaker does need attention, the entire scrubber is replaced or the media is replaced, depending upon the size of the scrubber and whether you choose to lease, buy or a service contract. But no matter how simple and easy, odor control solutions must be effective to be worthwhile.

**PEACEMAKER® SCRUBBERS GET THE JOB DONE, WITH A TWO STAGE PROCESS:**



**STAGE ONE – PERSNICKETY® H<sub>2</sub>S CONVERTING® MEDIA**

Converting technology uses a patented polymeric amine, formulated for maximum removal of H<sub>2</sub>S and volatile mercaptans. The combination of multiple amine sites and organophilic properties allows for fast, efficient removal of these problematic compounds. This chemistry reacts with H<sub>2</sub>S and mercaptans to form water-soluble and non-volatile poly sulfides that are readily biodegradable. In simple words, gaseous H<sub>2</sub>S is turned into a stable liquid polymer. All of our scrubber systems are designed to achieve a H<sub>2</sub>S reduction of 99%+ through the Stage 1 media bed.

**STAGE TWO – PERSNICKETY® POLISHING® MEDIA**

Activated carbon does a very efficient job of scrubbing low levels of H<sub>2</sub>S and other malodors. 99%+ of the H<sub>2</sub>S and the majority of volatile mercaptans, organic amines and organic sulfurs are removed in the converting bed. With that being accomplished, the polishing bed will easily remove the remaining lowlevel malodors. This results in complete and economic odor control.

**CORROSION CONTROL**

**IT ISN'T ALWAYS JUST ABOUT ODOR!**

Corrosion control is a substantial secondary benefit, and in some cases, it is primary. H<sub>2</sub>S accumulates in enclosed spaces. Turbulence releases it to atmosphere, but Henry's Law is in play, too. It is not unusual to find several hundred ppm of H<sub>2</sub>S in enclosed spaces. It eventually forms sulfuric acid, a highly corrosive compound. In most cases, H<sub>2</sub>S cannot simply be exhausted into a neighborhood. But when it is continuously drawn off and scrubbed, corrosion commonly reduces by 99%+, and complaints stay in check.

## PEACEMAKER® SCRUBBERS SIZING

### **THERE ARE TWO ESSENTIAL QUESTIONS TO BE ANSWERED:**

#### **How much airflow is required?**

Benefits accrue from moving only enough air to maintain a slight negative pressure. This will prevent fugitive malodors and provide the best economics. Higher-than-necessary airflow increases static pressure through the media bed and reduces residence time. A larger scrubber may be needed and cost would increase.

To calculate optimum airflow, we must determine the potential for air displacement (e.g. gpm pumped into a wet well). Of course, if there is an air exchange requirement for confined space entry or a need for higher airflow for any other reasons, it can be accommodated.

#### **How much H<sub>2</sub>S is in that air?**

This can be a difficult question to answer. It can be influenced by time of day, time of year, residence time, measuring techniques and numerous additional factors. Truth is it is hard to escape applying some judgment in making this determination. Experience helps, of course, but Peacemaker systems have built in flexibility and scalability, which helps, too. Ultimately, the formula is simple: CFM airflow x ppm H<sub>2</sub>S = quantity of media required.

\*This is an important process, and we need to work together. We start with a review of “PEACEMAKER® Converting / Polishing Dry Air Scrubber Sizing Information.”

### **AVAILABLE SIZES:**

Once we have determined the quantity of media required, we simply match that need to the correct vessel size and add the right fan to provide desired airflow at the existing static pressure.



## **LEASE, BUY OR SERVICE CONTRACT**

### **Lease:**

The length of “term” for most PEACEMAKER® leases is typically one to three years. At the end of term, we provide a new scrubber, if you wish, and you return the old one to us, freight collect. If conditions change from one term to the next, we can change the new scrubber to match the new conditions. You will never be stuck with out-grown and useless equipment. In addition, our lease agreement is like our scrubbers — simple and straightforward.

### **Buy:**

If your PEACEMAKER® needs to come from a capital budget, this is obviously the way to go. It will still be a great value. Whether you Lease, Buy or choose a Service Contract, the labor and maintenance costs will be minimal. There just is not much to do once the scrubber is up and running, besides enjoying the nice clean air and a very quiet phone.

### **Service Contract:**

The length of “term” for most PEACEMAKER® service contracts is three to five years. With a service contract, H2S loadings and CFM would have to be well documented and we would guarantee the life of the scrubber system for the life of the service contract based on those levels.

### **Limited Warranty:**

Our only obligation shall be to replace or pay for any material proved defective. Beyond the purchase price of materials supplied by us, we assume no liability for damages of any kind and the user accepts the product “as is” and without warranties, expressed or implied. The suitability of the product for an intended use shall be solely up to the user.



## **ATTACHMENT 4**

Preliminary Wastewater Generation Estimates

**Somis Ranch Farmworker Housing  
Preliminary Wastewater Generation Estimates  
360 Units + (2) Community Centers  
10/23/2019**

From Metcalf & Eddie Table 3-1  
Typical wastewater flowrates from urban  
residential sources in the US

Household size	Typ Flow <sup>(A)</sup>
1	97
2	76
3	66
4	53
5	51
6	50
7	48

Notes:  
(A) Units in gallons / capita Per day  
(B) Unit Bedroom distribution based on preliminary plans  
(C) Maximum occupancy estimated by (2 x #Bedrooms + 1)  
(D) Weighted average flow rate based on household size

**Estimate # of Persons for 1st and 2nd Phases with 100 Units<sup>(B)</sup>**

# of Bedrooms	Max Persons <sup>(C)</sup>	# of Units	# of Persons
1	3	25	75
2	5	50	250
3	7	25	175

100                      500 << Totals

**Estimate # of Persons for 3rd (Final) Phase with 160 Units<sup>(B)</sup>**

# of Bedrooms	Max Persons <sup>(C)</sup>	# of Units	# of Persons
1	3	40	120
2	5	80	400
3	7	40	280

160                      800 << Totals

**Estimate Total Persons for 360 Units:**

<< # of Persons x (2x500) + 800  
1,800 << Total Persons

**Determine Average Typical Flow per capita<sup>(D)</sup>:**

52.2 << Gallon per Person Per Day

**Estimate Total Average Daily Flow from 360 Units:**

93,960 << Total Gallons Per Day

**Estimate Total Average Daily Flow for Phase 1 and 3 Community Centers:**

3000 SF/100 Gal/SF = 300 Gallons Per Day x 2 ea = 600 Gallons Per Day

**Estimate Total Average Daily Flow at Full Build-Out:**

93,960 + 600 = 94,560 Gallons Per Day

**USE 99,000 Gallons Per Day**

## **ATTACHMENT 5**

Preliminary Seepage Pit Sizing Calculations

SOMIS RANCH FARMWORKER HOUSING  
**PRELIMINARY** SEEPAGE PIT SIZING CALCULATIONS

Performance testing data per Earth Systems Report (9/24/19):

Min absorption rate = 3.4 G/FT<sup>2</sup>/Day

Use FS = 1.5

$R = 3.4 \text{ g/ FT}^2 \div 1.5 = 2.26 \text{ gal/ FT}^2$

Use 50' deep x 5' diameter seepage pits

99,000 gal/Day (approximate total wastewater generation)

Determine quantity of vertical feet required:

$99,000 \text{ Gal/1 Day} \times 1 \text{ SF/2.26 Gal} \times 1 \text{ VF/(5) } \pi \text{ SF} = 2,789 \text{ VF required}$

$2,789 \text{ VF/50 FT} = 55.8 \text{ seepage pits required (all phases)}$

**USE 60 SEEPAGE PITS**

# Appendix C

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Air Quality and Greenhouse Gas Modeling Results

Somis - Ventura County, Winter

**Somis**  
**Ventura County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.15	6,530.00	0
Parking Lot	655.00	Space	6.16	165,735.00	0
Apartments Low Rise	360.00	Dwelling Unit	22.50	229,012.00	1102

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2024
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	530.48	<b>CH4 Intensity (lb/MWhr)</b>	0.022	<b>N2O Intensity (lb/MWhr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Somis - Ventura County, Winter

Project Characteristics - Adjusted for SB 100 RPS of 40% renewables by 2024.

Land Use - User-defined industrial for CWWTF; building and parking SF per site plan; parking lot SF/acre includes appx 0.27 acre easement road

Construction Phase - CalEEMod default building const. length for 360 units = 440. Therefore, each building const. phase assumed to be 440/3. Other phases kept at default lengths.

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates from ATE Traffic Study (2020)

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - All Title 24 electricity for residential use to be provided by solar per 2019 Building Energy Efficiency Standards

Water And Wastewater -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - 100% affordable housing

Energy Mitigation -

Water Mitigation - Compliance with 2019 CALGreen

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps - 200 kW generator, tested 30 minutes per week per applicant estimates.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	440.00	147.00
tblConstructionPhase	NumDays	440.00	147.00
tblConstructionPhase	NumDays	440.00	147.00

## Somis - Ventura County, Winter

tblEnergyUse	T24E	177.01	0.00
tblGrading	MaterialImported	0.00	11,200.00
tblGrading	MaterialImported	0.00	11,200.00
tblGrading	MaterialImported	0.00	11,200.00
tblLandUse	LandUseSquareFeet	0.00	6,530.00
tblLandUse	LandUseSquareFeet	262,000.00	165,735.00
tblLandUse	LandUseSquareFeet	360,000.00	229,012.00
tblLandUse	LotAcreage	0.00	0.15
tblLandUse	LotAcreage	5.89	6.16
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	702.44	530.48
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblVehicleTrips	CC_TTP	0.00	32.90
tblVehicleTrips	CNW_TTP	0.00	49.10
tblVehicleTrips	CW_TTP	0.00	18.00
tblVehicleTrips	DV_TP	0.00	11.00
tblVehicleTrips	PB_TP	0.00	3.00
tblVehicleTrips	PR_TP	0.00	86.00



Somis - Ventura County, Winter

tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	ST_TR	0.00	2.00
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	SU_TR	0.00	2.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	0.00	2.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.4869	54.1998	33.2988	0.0863	18.2141	2.0455	20.2596	9.9699	1.8819	11.8517	0.0000	8,657.3429	8,657.3429	2.1918	0.0000	8,712.1376
2022	74.5899	45.9180	31.4186	0.0860	18.2141	1.6628	19.8277	9.9699	1.5308	11.4544	0.0000	8,623.0452	8,623.0452	2.1886	0.0000	8,677.7593
2023	74.5635	39.1481	30.2437	0.0851	18.2141	1.4353	19.4811	9.9699	1.3209	11.1355	0.0000	8,539.4855	8,539.4855	2.1734	0.0000	8,593.8206
2024	74.5409	18.4343	24.1038	0.0640	3.1258	0.6367	3.7625	0.8390	0.5987	1.4377	0.0000	6,381.2823	6,381.2823	0.7718	0.0000	6,400.5773
<b>Maximum</b>	<b>74.5899</b>	<b>54.1998</b>	<b>33.2988</b>	<b>0.0863</b>	<b>18.2141</b>	<b>2.0455</b>	<b>20.2596</b>	<b>9.9699</b>	<b>1.8819</b>	<b>11.8517</b>	<b>0.0000</b>	<b>8,657.3429</b>	<b>8,657.3429</b>	<b>2.1918</b>	<b>0.0000</b>	<b>8,712.1376</b>



Somis - Ventura County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.7091	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648	0.0000	53.6224	53.6224	0.0517	0.0000	54.9146
Energy	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
Mobile	3.0780	11.8136	39.8474	0.1487	15.4211	0.1147	15.5358	4.1180	0.1065	4.2245		15,091.4727	15,091.4727	0.5799		15,105.9692
Stationary	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
<b>Total</b>	<b>10.0870</b>	<b>13.7748</b>	<b>70.5142</b>	<b>0.1585</b>	<b>15.4211</b>	<b>0.3974</b>	<b>15.8185</b>	<b>4.1180</b>	<b>0.3892</b>	<b>4.5072</b>	<b>0.0000</b>	<b>16,709.6113</b>	<b>16,709.6113</b>	<b>0.6717</b>	<b>0.0271</b>	<b>16,734.4925</b>

Somis - Ventura County, Winter

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.7091	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648	0.0000	53.6224	53.6224	0.0517	0.0000	54.9146
Energy	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
Mobile	3.0362	11.5672	38.6470	0.1431	14.8043	0.1107	14.9150	3.9533	0.1028	4.0561		14,518.5538	14,518.5538	0.5615		14,532.5915
Stationary	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
<b>Total</b>	<b>10.0452</b>	<b>13.5283</b>	<b>69.3138</b>	<b>0.1528</b>	<b>14.8043</b>	<b>0.3934</b>	<b>15.1977</b>	<b>3.9533</b>	<b>0.3855</b>	<b>4.3387</b>	<b>0.0000</b>	<b>16,136.6924</b>	<b>16,136.6924</b>	<b>0.6534</b>	<b>0.0271</b>	<b>16,161.1149</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.41</b>	<b>1.79</b>	<b>1.70</b>	<b>3.56</b>	<b>4.00</b>	<b>1.00</b>	<b>3.92</b>	<b>4.00</b>	<b>0.96</b>	<b>3.74</b>	<b>0.00</b>	<b>3.43</b>	<b>3.43</b>	<b>2.73</b>	<b>0.00</b>	<b>3.43</b>

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation - Phase I	Site Preparation	7/1/2021	7/28/2021	5	20	
2	Grading - Phase I	Grading	7/29/2021	9/29/2021	5	45	
3	Building Construction - Phase I	Building Construction	9/30/2021	4/22/2022	5	147	
4	Paving - Phase I	Paving	4/23/2022	6/10/2022	5	35	
5	Architectural Coating - Phase I	Architectural Coating	6/11/2022	7/29/2022	5	35	
6	Site Preparation - Phase II	Site Preparation	7/30/2022	8/26/2022	5	20	
7	Grading - Phase II	Grading	8/27/2022	10/28/2022	5	45	
8	Building Construction - Phase II	Building Construction	10/29/2022	5/23/2023	5	147	
9	Paving - Phase II	Paving	5/24/2023	7/11/2023	5	35	
10	Architectural Coating - Phase II	Architectural Coating	7/12/2023	8/29/2023	5	35	
11	Site Preparation - Phase III	Site Preparation	8/30/2023	9/26/2023	5	20	
12	Grading - Phase III	Grading	9/27/2023	11/28/2023	5	45	
13	Building Construction - Phase III	Building Construction	11/29/2023	6/20/2024	5	147	
14	Paving - Phase III	Paving	6/21/2024	8/8/2024	5	35	
15	Architectural Coating - Phase III	Architectural Coating	8/9/2024	9/26/2024	5	35	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 6.16**

**Residential Indoor: 463,749; Residential Outdoor: 154,583; Non-Residential Indoor: 9,795; Non-Residential Outdoor: 3,265; Striped Parking Area: 9,944 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation - Phase I	Rubber Tired Dozers	3	8.00	247	0.40

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Site Preparation - Phase I	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase I	Excavators	2	8.00	158	0.38
Grading - Phase I	Graders	1	8.00	187	0.41
Grading - Phase I	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase I	Scrapers	2	8.00	367	0.48
Grading - Phase I	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase I	Cranes	1	7.00	231	0.29
Building Construction - Phase I	Forklifts	3	8.00	89	0.20
Building Construction - Phase I	Generator Sets	1	8.00	84	0.74
Building Construction - Phase I	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase I	Welders	1	8.00	46	0.45
Paving - Phase I	Pavers	2	8.00	130	0.42
Paving - Phase I	Paving Equipment	2	8.00	132	0.36
Paving - Phase I	Rollers	2	8.00	80	0.38
Architectural Coating - Phase I	Air Compressors	1	6.00	78	0.48
Site Preparation - Phase II	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase II	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase II	Excavators	2	8.00	158	0.38
Grading - Phase II	Graders	1	8.00	187	0.41
Grading - Phase II	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase II	Scrapers	2	8.00	367	0.48
Grading - Phase II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase II	Cranes	1	7.00	231	0.29
Building Construction - Phase II	Forklifts	3	8.00	89	0.20
Building Construction - Phase II	Generator Sets	1	8.00	84	0.74
Building Construction - Phase II	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase II	Welders	1	8.00	46	0.45

Somis - Ventura County, Winter

Paving - Phase II	Pavers	2	8.00	130	0.42
Paving - Phase II	Paving Equipment	2	8.00	132	0.36
Paving - Phase II	Rollers	2	8.00	80	0.38
Architectural Coating - Phase II	Air Compressors	1	6.00	78	0.48
Site Preparation - Phase III	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase III	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase III	Excavators	2	8.00	158	0.38
Grading - Phase III	Graders	1	8.00	187	0.41
Grading - Phase III	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase III	Scrapers	2	8.00	367	0.48
Grading - Phase III	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase III	Cranes	1	7.00	231	0.29
Building Construction - Phase III	Forklifts	3	8.00	89	0.20
Building Construction - Phase III	Generator Sets	1	8.00	84	0.74
Building Construction - Phase III	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase III	Welders	1	8.00	46	0.45
Paving - Phase III	Pavers	2	8.00	130	0.42
Paving - Phase III	Paving Equipment	2	8.00	132	0.36
Paving - Phase III	Rollers	2	8.00	80	0.38
Architectural Coating - Phase III	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Somis - Ventura County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation - Phase I	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase I	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase I	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase I	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase I	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase II	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase II	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase II	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase II	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase II	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase III	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase III	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase III	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase III	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase III	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads



Somis - Ventura County, Winter

**3.2 Site Preparation - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.0445</b>	<b>20.1107</b>	<b>9.9307</b>	<b>1.8809</b>	<b>11.8116</b>		<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0417	0.4478	1.3200e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		131.8827	131.8827	3.3500e-003		131.9665
<b>Total</b>	<b>0.0699</b>	<b>0.0417</b>	<b>0.4478</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>1.0200e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.4000e-004</b>	<b>0.0402</b>		<b>131.8827</b>	<b>131.8827</b>	<b>3.3500e-003</b>		<b>131.9665</b>

Somis - Ventura County, Winter

**3.2 Site Preparation - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.0445</b>	<b>10.1743</b>	<b>4.4688</b>	<b>1.8809</b>	<b>6.3497</b>	<b>0.0000</b>	<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0417	0.4478	1.3200e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		131.8827	131.8827	3.3500e-003		131.9665
<b>Total</b>	<b>0.0699</b>	<b>0.0417</b>	<b>0.4478</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>1.0200e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.4000e-004</b>	<b>0.0402</b>		<b>131.8827</b>	<b>131.8827</b>	<b>3.3500e-003</b>		<b>131.9665</b>

Somis - Ventura County, Winter

**3.3 Grading - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7083	0.0000	8.7083	3.6018	0.0000	3.6018			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.043 4	6,007.043 4	1.9428		6,055.613 4
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>8.7083</b>	<b>1.9853</b>	<b>10.6937</b>	<b>3.6018</b>	<b>1.8265</b>	<b>5.4283</b>		<b>6,007.043 4</b>	<b>6,007.043 4</b>	<b>1.9428</b>		<b>6,055.613 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2181	7.7537	1.9228	0.0228	0.5420	0.0315	0.5736	0.1484	0.0302	0.1786		2,503.763 1	2,503.763 1	0.2453		2,509.894 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0464	0.4975	1.4700e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		146.5363	146.5363	3.7300e-003		146.6294
<b>Total</b>	<b>0.2958</b>	<b>7.8000</b>	<b>2.4203</b>	<b>0.0243</b>	<b>0.7063</b>	<b>0.0327</b>	<b>0.7390</b>	<b>0.1920</b>	<b>0.0312</b>	<b>0.2232</b>		<b>2,650.299 4</b>	<b>2,650.299 4</b>	<b>0.2490</b>		<b>2,656.524 1</b>

Somis - Ventura County, Winter

**3.3 Grading - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9187	0.0000	3.9187	1.6208	0.0000	1.6208			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>3.9187</b>	<b>1.9853</b>	<b>5.9041</b>	<b>1.6208</b>	<b>1.8265</b>	<b>3.4473</b>	<b>0.0000</b>	<b>6,007.043 4</b>	<b>6,007.043 4</b>	<b>1.9428</b>		<b>6,055.613 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2181	7.7537	1.9228	0.0228	0.5420	0.0315	0.5736	0.1484	0.0302	0.1786		2,503.763 1	2,503.763 1	0.2453		2,509.894 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0464	0.4975	1.4700e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		146.5363	146.5363	3.7300e-003		146.6294
<b>Total</b>	<b>0.2958</b>	<b>7.8000</b>	<b>2.4203</b>	<b>0.0243</b>	<b>0.7063</b>	<b>0.0327</b>	<b>0.7390</b>	<b>0.1920</b>	<b>0.0312</b>	<b>0.2232</b>		<b>2,650.299 4</b>	<b>2,650.299 4</b>	<b>0.2490</b>		<b>2,656.524 1</b>

Somis - Ventura County, Winter

**3.4 Building Construction - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1941	6.2603	1.8173	0.0162	0.4394	0.0184	0.4578	0.1265	0.0176	0.1441		1,747.3527	1,747.3527	0.1459		1,750.9996
Worker	1.2706	0.7578	8.1342	0.0241	2.6862	0.0186	2.7049	0.7125	0.0172	0.7297		2,395.8684	2,395.8684	0.0609		2,397.3912
<b>Total</b>	<b>1.4647</b>	<b>7.0181</b>	<b>9.9515</b>	<b>0.0403</b>	<b>3.1256</b>	<b>0.0371</b>	<b>3.1627</b>	<b>0.8390</b>	<b>0.0348</b>	<b>0.8737</b>		<b>4,143.2211</b>	<b>4,143.2211</b>	<b>0.2068</b>		<b>4,148.3908</b>

Somis - Ventura County, Winter

**3.4 Building Construction - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>	<b>0.0000</b>	<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1941	6.2603	1.8173	0.0162	0.4394	0.0184	0.4578	0.1265	0.0176	0.1441		1,747.3527	1,747.3527	0.1459		1,750.9996
Worker	1.2706	0.7578	8.1342	0.0241	2.6862	0.0186	2.7049	0.7125	0.0172	0.7297		2,395.8684	2,395.8684	0.0609		2,397.3912
<b>Total</b>	<b>1.4647</b>	<b>7.0181</b>	<b>9.9515</b>	<b>0.0403</b>	<b>3.1256</b>	<b>0.0371</b>	<b>3.1627</b>	<b>0.8390</b>	<b>0.0348</b>	<b>0.8737</b>		<b>4,143.2211</b>	<b>4,143.2211</b>	<b>0.2068</b>		<b>4,148.3908</b>

Somis - Ventura County, Winter

**3.4 Building Construction - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1806	5.8843	1.7232	0.0161	0.4394	0.0160	0.4554	0.1265	0.0153	0.1418		1,730.9506	1,730.9506	0.1403		1,734.4588
Worker	1.1970	0.6839	7.5114	0.0232	2.6862	0.0182	2.7044	0.7125	0.0167	0.7292		2,307.8494	2,307.8494	0.0550		2,309.2240
<b>Total</b>	<b>1.3776</b>	<b>6.5681</b>	<b>9.2346</b>	<b>0.0392</b>	<b>3.1257</b>	<b>0.0342</b>	<b>3.1598</b>	<b>0.8390</b>	<b>0.0320</b>	<b>0.8710</b>		<b>4,038.8000</b>	<b>4,038.8000</b>	<b>0.1953</b>		<b>4,043.6828</b>

Somis - Ventura County, Winter

**3.4 Building Construction - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1806	5.8843	1.7232	0.0161	0.4394	0.0160	0.4554	0.1265	0.0153	0.1418		1,730.9506	1,730.9506	0.1403		1,734.4588
Worker	1.1970	0.6839	7.5114	0.0232	2.6862	0.0182	2.7044	0.7125	0.0167	0.7292		2,307.8494	2,307.8494	0.0550		2,309.2240
<b>Total</b>	<b>1.3776</b>	<b>6.5681</b>	<b>9.2346</b>	<b>0.0392</b>	<b>3.1257</b>	<b>0.0342</b>	<b>3.1598</b>	<b>0.8390</b>	<b>0.0320</b>	<b>0.8710</b>		<b>4,038.8000</b>	<b>4,038.8000</b>	<b>0.1953</b>		<b>4,043.6828</b>



Somis - Ventura County, Winter

**3.5 Paving - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.4611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5639</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0314	0.3446	1.0600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		105.8647	105.8647	2.5200e-003		105.9277
<b>Total</b>	<b>0.0549</b>	<b>0.0314</b>	<b>0.3446</b>	<b>1.0600e-003</b>	<b>0.1232</b>	<b>8.3000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>7.7000e-004</b>	<b>0.0335</b>		<b>105.8647</b>	<b>105.8647</b>	<b>2.5200e-003</b>		<b>105.9277</b>

Somis - Ventura County, Winter

**3.5 Paving - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.4611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5639</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0314	0.3446	1.0600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		105.8647	105.8647	2.5200e-003		105.9277
<b>Total</b>	<b>0.0549</b>	<b>0.0314</b>	<b>0.3446</b>	<b>1.0600e-003</b>	<b>0.1232</b>	<b>8.3000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>7.7000e-004</b>	<b>0.0335</b>		<b>105.8647</b>	<b>105.8647</b>	<b>2.5200e-003</b>		<b>105.9277</b>

Somis - Ventura County, Winter

**3.6 Architectural Coating - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>74.3519</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2379	0.1359	1.4931	4.6000e-003	0.5340	3.6100e-003	0.5376	0.1416	3.3200e-003	0.1450		458.7468	458.7468	0.0109		459.0201
<b>Total</b>	<b>0.2379</b>	<b>0.1359</b>	<b>1.4931</b>	<b>4.6000e-003</b>	<b>0.5340</b>	<b>3.6100e-003</b>	<b>0.5376</b>	<b>0.1416</b>	<b>3.3200e-003</b>	<b>0.1450</b>		<b>458.7468</b>	<b>458.7468</b>	<b>0.0109</b>		<b>459.0201</b>

Somis - Ventura County, Winter

**3.6 Architectural Coating - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>74.3519</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2379	0.1359	1.4931	4.6000e-003	0.5340	3.6100e-003	0.5376	0.1416	3.3200e-003	0.1450		458.7468	458.7468	0.0109		459.0201
<b>Total</b>	<b>0.2379</b>	<b>0.1359</b>	<b>1.4931</b>	<b>4.6000e-003</b>	<b>0.5340</b>	<b>3.6100e-003</b>	<b>0.5376</b>	<b>0.1416</b>	<b>3.3200e-003</b>	<b>0.1450</b>		<b>458.7468</b>	<b>458.7468</b>	<b>0.0109</b>		<b>459.0201</b>

Somis - Ventura County, Winter

**3.7 Site Preparation - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0659	0.0376	0.4135	1.2700e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		127.0376	127.0376	3.0300e-003		127.1133
<b>Total</b>	<b>0.0659</b>	<b>0.0376</b>	<b>0.4135</b>	<b>1.2700e-003</b>	<b>0.1479</b>	<b>1.0000e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.2000e-004</b>	<b>0.0401</b>		<b>127.0376</b>	<b>127.0376</b>	<b>3.0300e-003</b>		<b>127.1133</b>

Somis - Ventura County, Winter

**3.7 Site Preparation - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>8.1298</b>	<b>1.6126</b>	<b>9.7424</b>	<b>4.4688</b>	<b>1.4836</b>	<b>5.9524</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0659	0.0376	0.4135	1.2700e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		127.0376	127.0376	3.0300e-003		127.1133
<b>Total</b>	<b>0.0659</b>	<b>0.0376</b>	<b>0.4135</b>	<b>1.2700e-003</b>	<b>0.1479</b>	<b>1.0000e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.2000e-004</b>	<b>0.0401</b>		<b>127.0376</b>	<b>127.0376</b>	<b>3.0300e-003</b>		<b>127.1133</b>

Somis - Ventura County, Winter

**3.8 Grading - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7083	0.0000	8.7083	3.6018	0.0000	3.6018			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>8.7083</b>	<b>1.6349</b>	<b>10.3432</b>	<b>3.6018</b>	<b>1.5041</b>	<b>5.1059</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2050	7.0327	1.9177	0.0225	0.5421	0.0268	0.5690	0.1484	0.0257	0.1741		2,470.4818	2,470.4818	0.2410		2,476.5065
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0732	0.0418	0.4594	1.4200e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		141.1529	141.1529	3.3600e-003		141.2369
<b>Total</b>	<b>0.2782</b>	<b>7.0745</b>	<b>2.3771</b>	<b>0.0239</b>	<b>0.7064</b>	<b>0.0280</b>	<b>0.7344</b>	<b>0.1920</b>	<b>0.0267</b>	<b>0.2187</b>		<b>2,611.6347</b>	<b>2,611.6347</b>	<b>0.2444</b>		<b>2,617.7435</b>

Somis - Ventura County, Winter

**3.8 Grading - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9187	0.0000	3.9187	1.6208	0.0000	1.6208			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>3.9187</b>	<b>1.6349</b>	<b>5.5536</b>	<b>1.6208</b>	<b>1.5041</b>	<b>3.1249</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2050	7.0327	1.9177	0.0225	0.5421	0.0268	0.5690	0.1484	0.0257	0.1741		2,470.4818	2,470.4818	0.2410		2,476.5065
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0732	0.0418	0.4594	1.4200e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		141.1529	141.1529	3.3600e-003		141.2369
<b>Total</b>	<b>0.2782</b>	<b>7.0745</b>	<b>2.3771</b>	<b>0.0239</b>	<b>0.7064</b>	<b>0.0280</b>	<b>0.7344</b>	<b>0.1920</b>	<b>0.0267</b>	<b>0.2187</b>		<b>2,611.6347</b>	<b>2,611.6347</b>	<b>0.2444</b>		<b>2,617.7435</b>



Somis - Ventura County, Winter

**3.9 Building Construction - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1806	5.8843	1.7232	0.0161	0.4394	0.0160	0.4554	0.1265	0.0153	0.1418		1,730.9506	1,730.9506	0.1403		1,734.4588
Worker	1.1970	0.6839	7.5114	0.0232	2.6862	0.0182	2.7044	0.7125	0.0167	0.7292		2,307.8494	2,307.8494	0.0550		2,309.2240
<b>Total</b>	<b>1.3776</b>	<b>6.5681</b>	<b>9.2346</b>	<b>0.0392</b>	<b>3.1257</b>	<b>0.0342</b>	<b>3.1598</b>	<b>0.8390</b>	<b>0.0320</b>	<b>0.8710</b>		<b>4,038.8000</b>	<b>4,038.8000</b>	<b>0.1953</b>		<b>4,043.6828</b>

Somis - Ventura County, Winter

**3.9 Building Construction - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1806	5.8843	1.7232	0.0161	0.4394	0.0160	0.4554	0.1265	0.0153	0.1418		1,730.9506	1,730.9506	0.1403		1,734.4588
Worker	1.1970	0.6839	7.5114	0.0232	2.6862	0.0182	2.7044	0.7125	0.0167	0.7292		2,307.8494	2,307.8494	0.0550		2,309.2240
<b>Total</b>	<b>1.3776</b>	<b>6.5681</b>	<b>9.2346</b>	<b>0.0392</b>	<b>3.1257</b>	<b>0.0342</b>	<b>3.1598</b>	<b>0.8390</b>	<b>0.0320</b>	<b>0.8710</b>		<b>4,038.8000</b>	<b>4,038.8000</b>	<b>0.1953</b>		<b>4,043.6828</b>

Somis - Ventura County, Winter

**3.9 Building Construction - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1341	4.4801	1.5454	0.0157	0.4395	6.0700e-003	0.4456	0.1265	5.8000e-003	0.1323		1,692.7390	1,692.7390	0.1247		1,695.8573
Worker	1.1292	0.6176	6.9228	0.0223	2.6862	0.0177	2.7040	0.7125	0.0163	0.7288		2,219.4822	2,219.4822	0.0495		2,220.7188
<b>Total</b>	<b>1.2634</b>	<b>5.0977</b>	<b>8.4682</b>	<b>0.0379</b>	<b>3.1257</b>	<b>0.0238</b>	<b>3.1495</b>	<b>0.8390</b>	<b>0.0221</b>	<b>0.8611</b>		<b>3,912.2211</b>	<b>3,912.2211</b>	<b>0.1742</b>		<b>3,916.5761</b>

Somis - Ventura County, Winter

**3.9 Building Construction - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1341	4.4801	1.5454	0.0157	0.4395	6.0700e-003	0.4456	0.1265	5.8000e-003	0.1323		1,692.7390	1,692.7390	0.1247		1,695.8573
Worker	1.1292	0.6176	6.9228	0.0223	2.6862	0.0177	2.7040	0.7125	0.0163	0.7288		2,219.4822	2,219.4822	0.0495		2,220.7188
<b>Total</b>	<b>1.2634</b>	<b>5.0977</b>	<b>8.4682</b>	<b>0.0379</b>	<b>3.1257</b>	<b>0.0238</b>	<b>3.1495</b>	<b>0.8390</b>	<b>0.0221</b>	<b>0.8611</b>		<b>3,912.2211</b>	<b>3,912.2211</b>	<b>0.1742</b>		<b>3,916.5761</b>

Somis - Ventura County, Winter

**3.10 Paving - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.4611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4939</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0283	0.3176	1.0200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		101.8111	101.8111	2.2700e-003		101.8678
<b>Total</b>	<b>0.0518</b>	<b>0.0283</b>	<b>0.3176</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>8.1000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>101.8111</b>	<b>101.8111</b>	<b>2.2700e-003</b>		<b>101.8678</b>

Somis - Ventura County, Winter

**3.10 Paving - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.4611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4939</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>	<b>0.0000</b>	<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0283	0.3176	1.0200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		101.8111	101.8111	2.2700e-003		101.8678
<b>Total</b>	<b>0.0518</b>	<b>0.0283</b>	<b>0.3176</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>8.1000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>101.8111</b>	<b>101.8111</b>	<b>2.2700e-003</b>		<b>101.8678</b>

Somis - Ventura County, Winter

**3.11 Architectural Coating - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>74.3391</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2245	0.1228	1.3761	4.4300e-003	0.5340	3.5200e-003	0.5375	0.1416	3.2500e-003	0.1449		441.1815	441.1815	9.8300e-003		441.4273
<b>Total</b>	<b>0.2245</b>	<b>0.1228</b>	<b>1.3761</b>	<b>4.4300e-003</b>	<b>0.5340</b>	<b>3.5200e-003</b>	<b>0.5375</b>	<b>0.1416</b>	<b>3.2500e-003</b>	<b>0.1449</b>		<b>441.1815</b>	<b>441.1815</b>	<b>9.8300e-003</b>		<b>441.4273</b>

Somis - Ventura County, Winter

**3.11 Architectural Coating - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>74.3391</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2245	0.1228	1.3761	4.4300e-003	0.5340	3.5200e-003	0.5375	0.1416	3.2500e-003	0.1449		441.1815	441.1815	9.8300e-003		441.4273
<b>Total</b>	<b>0.2245</b>	<b>0.1228</b>	<b>1.3761</b>	<b>4.4300e-003</b>	<b>0.5340</b>	<b>3.5200e-003</b>	<b>0.5375</b>	<b>0.1416</b>	<b>3.2500e-003</b>	<b>0.1449</b>		<b>441.1815</b>	<b>441.1815</b>	<b>9.8300e-003</b>		<b>441.4273</b>



Somis - Ventura County, Winter

**3.12 Site Preparation - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
<b>Total</b>	<b>2.6595</b>	<b>27.5242</b>	<b>18.2443</b>	<b>0.0381</b>	<b>18.0663</b>	<b>1.2660</b>	<b>19.3323</b>	<b>9.9307</b>	<b>1.1647</b>	<b>11.0954</b>		<b>3,687.3081</b>	<b>3,687.3081</b>	<b>1.1926</b>		<b>3,717.1219</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0622	0.0340	0.3811	1.2300e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		122.1733	122.1733	2.7200e-003		122.2414
<b>Total</b>	<b>0.0622</b>	<b>0.0340</b>	<b>0.3811</b>	<b>1.2300e-003</b>	<b>0.1479</b>	<b>9.8000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>9.0000e-004</b>	<b>0.0401</b>		<b>122.1733</b>	<b>122.1733</b>	<b>2.7200e-003</b>		<b>122.2414</b>

Somis - Ventura County, Winter

**3.12 Site Preparation - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
<b>Total</b>	<b>2.6595</b>	<b>27.5242</b>	<b>18.2443</b>	<b>0.0381</b>	<b>8.1298</b>	<b>1.2660</b>	<b>9.3958</b>	<b>4.4688</b>	<b>1.1647</b>	<b>5.6336</b>	<b>0.0000</b>	<b>3,687.3081</b>	<b>3,687.3081</b>	<b>1.1926</b>		<b>3,717.1219</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0622	0.0340	0.3811	1.2300e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		122.1733	122.1733	2.7200e-003		122.2414
<b>Total</b>	<b>0.0622</b>	<b>0.0340</b>	<b>0.3811</b>	<b>1.2300e-003</b>	<b>0.1479</b>	<b>9.8000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>9.0000e-004</b>	<b>0.0401</b>		<b>122.1733</b>	<b>122.1733</b>	<b>2.7200e-003</b>		<b>122.2414</b>

Somis - Ventura County, Winter

**3.13 Grading - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7083	0.0000	8.7083	3.6018	0.0000	3.6018			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>	<b>28.0512</b>	<b>0.0621</b>	<b>8.7083</b>	<b>1.4245</b>	<b>10.1328</b>	<b>3.6018</b>	<b>1.3105</b>	<b>4.9123</b>		<b>6,011.4777</b>	<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1390	4.5948	1.7691	0.0217	0.5422	9.7400e-003	0.5520	0.1485	9.3200e-003	0.1578		2,392.2596	2,392.2596	0.2261		2,397.9132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0691	0.0378	0.4234	1.3600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		135.7481	135.7481	3.0300e-003		135.8238
<b>Total</b>	<b>0.2080</b>	<b>4.6325</b>	<b>2.1925</b>	<b>0.0231</b>	<b>0.7065</b>	<b>0.0108</b>	<b>0.7173</b>	<b>0.1921</b>	<b>0.0103</b>	<b>0.2024</b>		<b>2,528.0077</b>	<b>2,528.0077</b>	<b>0.2292</b>		<b>2,533.7370</b>

Somis - Ventura County, Winter

**3.13 Grading - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9187	0.0000	3.9187	1.6208	0.0000	1.6208			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>	<b>28.0512</b>	<b>0.0621</b>	<b>3.9187</b>	<b>1.4245</b>	<b>5.3432</b>	<b>1.6208</b>	<b>1.3105</b>	<b>2.9313</b>	<b>0.0000</b>	<b>6,011.4777</b>	<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1390	4.5948	1.7691	0.0217	0.5422	9.7400e-003	0.5520	0.1485	9.3200e-003	0.1578		2,392.2596	2,392.2596	0.2261		2,397.9132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0691	0.0378	0.4234	1.3600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		135.7481	135.7481	3.0300e-003		135.8238
<b>Total</b>	<b>0.2080</b>	<b>4.6325</b>	<b>2.1925</b>	<b>0.0231</b>	<b>0.7065</b>	<b>0.0108</b>	<b>0.7173</b>	<b>0.1921</b>	<b>0.0103</b>	<b>0.2024</b>		<b>2,528.0077</b>	<b>2,528.0077</b>	<b>0.2292</b>		<b>2,533.7370</b>

Somis - Ventura County, Winter

**3.14 Building Construction - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1341	4.4801	1.5454	0.0157	0.4395	6.0700e-003	0.4456	0.1265	5.8000e-003	0.1323		1,692.7390	1,692.7390	0.1247		1,695.8573
Worker	1.1292	0.6176	6.9228	0.0223	2.6862	0.0177	2.7040	0.7125	0.0163	0.7288		2,219.4822	2,219.4822	0.0495		2,220.7188
<b>Total</b>	<b>1.2634</b>	<b>5.0977</b>	<b>8.4682</b>	<b>0.0379</b>	<b>3.1257</b>	<b>0.0238</b>	<b>3.1495</b>	<b>0.8390</b>	<b>0.0221</b>	<b>0.8611</b>		<b>3,912.2211</b>	<b>3,912.2211</b>	<b>0.1742</b>		<b>3,916.5761</b>

Somis - Ventura County, Winter

**3.14 Building Construction - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1341	4.4801	1.5454	0.0157	0.4395	6.0700e-003	0.4456	0.1265	5.8000e-003	0.1323		1,692.7390	1,692.7390	0.1247		1,695.8573
Worker	1.1292	0.6176	6.9228	0.0223	2.6862	0.0177	2.7040	0.7125	0.0163	0.7288		2,219.4822	2,219.4822	0.0495		2,220.7188
<b>Total</b>	<b>1.2634</b>	<b>5.0977</b>	<b>8.4682</b>	<b>0.0379</b>	<b>3.1257</b>	<b>0.0238</b>	<b>3.1495</b>	<b>0.8390</b>	<b>0.0221</b>	<b>0.8611</b>		<b>3,912.2211</b>	<b>3,912.2211</b>	<b>0.1742</b>		<b>3,916.5761</b>

Somis - Ventura County, Winter

**3.14 Building Construction - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1297	4.4295	1.5041	0.0156	0.4395	5.9200e-003	0.4454	0.1265	5.6600e-003	0.1322		1,684.6523	1,684.6523	0.1224		1,687.7123
Worker	1.0705	0.5610	6.4329	0.0215	2.6862	0.0175	2.7037	0.7125	0.0161	0.7286		2,140.9311	2,140.9311	0.0451		2,142.0573
<b>Total</b>	<b>1.2002</b>	<b>4.9906</b>	<b>7.9370</b>	<b>0.0371</b>	<b>3.1258</b>	<b>0.0234</b>	<b>3.1491</b>	<b>0.8390</b>	<b>0.0218</b>	<b>0.8608</b>		<b>3,825.5834</b>	<b>3,825.5834</b>	<b>0.1675</b>		<b>3,829.7696</b>

Somis - Ventura County, Winter

**3.14 Building Construction - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1297	4.4295	1.5041	0.0156	0.4395	5.9200e-003	0.4454	0.1265	5.6600e-003	0.1322		1,684.6523	1,684.6523	0.1224		1,687.7123
Worker	1.0705	0.5610	6.4329	0.0215	2.6862	0.0175	2.7037	0.7125	0.0161	0.7286		2,140.9311	2,140.9311	0.0451		2,142.0573
<b>Total</b>	<b>1.2002</b>	<b>4.9906</b>	<b>7.9370</b>	<b>0.0371</b>	<b>3.1258</b>	<b>0.0234</b>	<b>3.1491</b>	<b>0.8390</b>	<b>0.0218</b>	<b>0.8608</b>		<b>3,825.5834</b>	<b>3,825.5834</b>	<b>0.1675</b>		<b>3,829.7696</b>



Somis - Ventura County, Winter

**3.15 Paving - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.4611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4493</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0257	0.2951	9.8000e-004	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		98.2079	98.2079	2.0700e-003		98.2595
<b>Total</b>	<b>0.0491</b>	<b>0.0257</b>	<b>0.2951</b>	<b>9.8000e-004</b>	<b>0.1232</b>	<b>8.0000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.4000e-004</b>	<b>0.0334</b>		<b>98.2079</b>	<b>98.2079</b>	<b>2.0700e-003</b>		<b>98.2595</b>

Somis - Ventura County, Winter

**3.15 Paving - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.4611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4493</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0257	0.2951	9.8000e-004	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		98.2079	98.2079	2.0700e-003		98.2595
<b>Total</b>	<b>0.0491</b>	<b>0.0257</b>	<b>0.2951</b>	<b>9.8000e-004</b>	<b>0.1232</b>	<b>8.0000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.4000e-004</b>	<b>0.0334</b>		<b>98.2079</b>	<b>98.2079</b>	<b>2.0700e-003</b>		<b>98.2595</b>

Somis - Ventura County, Winter

**3.16 Architectural Coating - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>74.3282</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2128	0.1115	1.2787	4.2700e-003	0.5340	3.4700e-003	0.5374	0.1416	3.2000e-003	0.1448		425.5673	425.5673	8.9500e-003		425.7912
<b>Total</b>	<b>0.2128</b>	<b>0.1115</b>	<b>1.2787</b>	<b>4.2700e-003</b>	<b>0.5340</b>	<b>3.4700e-003</b>	<b>0.5374</b>	<b>0.1416</b>	<b>3.2000e-003</b>	<b>0.1448</b>		<b>425.5673</b>	<b>425.5673</b>	<b>8.9500e-003</b>		<b>425.7912</b>

Somis - Ventura County, Winter

**3.16 Architectural Coating - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>74.3282</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2128	0.1115	1.2787	4.2700e-003	0.5340	3.4700e-003	0.5374	0.1416	3.2000e-003	0.1448		425.5673	425.5673	8.9500e-003		425.7912
<b>Total</b>	<b>0.2128</b>	<b>0.1115</b>	<b>1.2787</b>	<b>4.2700e-003</b>	<b>0.5340</b>	<b>3.4700e-003</b>	<b>0.5374</b>	<b>0.1416</b>	<b>3.2000e-003</b>	<b>0.1448</b>		<b>425.5673</b>	<b>425.5673</b>	<b>8.9500e-003</b>		<b>425.7912</b>

**4.0 Operational Detail - Mobile**

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Somis - Ventura County, Winter

**4.1 Mitigation Measures Mobile**

Integrate Below Market Rate Housing

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0362	11.5672	38.6470	0.1431	14.8043	0.1107	14.9150	3.9533	0.1028	4.0561		14,518.55 38	14,518.55 38	0.5615		14,532.59 15
Unmitigated	3.0780	11.8136	39.8474	0.1487	15.4211	0.1147	15.5358	4.1180	0.1065	4.2245		15,091.47 27	15,091.47 27	0.5799		15,105.96 92

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,635.20	2,635.20	2635.20	7,281,249	6,989,999
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	2.00	2.00	2.00	4,975	4,776
<b>Total</b>	<b>2,637.20</b>	<b>2,637.20</b>	<b>2,637.20</b>	<b>7,286,223</b>	<b>6,994,775</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
User Defined Industrial	9.50	7.30	7.30	18.00	32.90	49.10	86	11	3

Somis - Ventura County, Winter

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293
Parking Lot	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293
User Defined Industrial	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
NaturalGas Unmitigated	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631

Somis - Ventura County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	12584.8	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1357</b>	<b>1.1598</b>	<b>0.4935</b>	<b>7.4000e-003</b>		<b>0.0938</b>	<b>0.0938</b>		<b>0.0938</b>	<b>0.0938</b>		<b>1,480.5648</b>	<b>1,480.5648</b>	<b>0.0284</b>	<b>0.0271</b>	<b>1,489.3631</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	12.5848	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1357</b>	<b>1.1598</b>	<b>0.4935</b>	<b>7.4000e-003</b>		<b>0.0938</b>	<b>0.0938</b>		<b>0.0938</b>	<b>0.0938</b>		<b>1,480.5648</b>	<b>1,480.5648</b>	<b>0.0284</b>	<b>0.0271</b>	<b>1,489.3631</b>

**6.0 Area Detail**

Somis - Ventura County, Winter

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.7091	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648	0.0000	53.6224	53.6224	0.0517	0.0000	54.9146
Unmitigated	6.7091	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648	0.0000	53.6224	53.6224	0.0517	0.0000	54.9146



Somis - Ventura County, Winter

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8988	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648		53.6224	53.6224	0.0517		54.9146
<b>Total</b>	<b>6.7091</b>	<b>0.3427</b>	<b>29.7548</b>	<b>1.5700e-003</b>		<b>0.1648</b>	<b>0.1648</b>		<b>0.1648</b>	<b>0.1648</b>	<b>0.0000</b>	<b>53.6224</b>	<b>53.6224</b>	<b>0.0517</b>	<b>0.0000</b>	<b>54.9146</b>

Somis - Ventura County, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8988	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648		53.6224	53.6224	0.0517		54.9146
<b>Total</b>	<b>6.7091</b>	<b>0.3427</b>	<b>29.7548</b>	<b>1.5700e-003</b>		<b>0.1648</b>	<b>0.1648</b>		<b>0.1648</b>	<b>0.1648</b>	<b>0.0000</b>	<b>53.6224</b>	<b>53.6224</b>	<b>0.0517</b>	<b>0.0000</b>	<b>54.9146</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Apply Water Conservation Strategy
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Somis - Ventura County, Winter

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	26	200	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (175 - 300 HP)	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
<b>Total</b>	<b>0.1641</b>	<b>0.4587</b>	<b>0.4184</b>	<b>7.9000e-004</b>		<b>0.0241</b>	<b>0.0241</b>		<b>0.0241</b>	<b>0.0241</b>		<b>83.9514</b>	<b>83.9514</b>	<b>0.0118</b>		<b>84.2457</b>

**11.0 Vegetation**

Somis - Mitigated - Ventura County, Winter

**Somis - Mitigated**  
**Ventura County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.15	6,530.00	0
Parking Lot	655.00	Space	6.17	165,735.00	0
Apartments Low Rise	360.00	Dwelling Unit	22.50	229,012.00	1102

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2024
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	530.48	<b>CH4 Intensity (lb/MWhr)</b>	0.022	<b>N2O Intensity (lb/MWhr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics - Adjusted for SB 100 RPS of 40% renewables by 2024.

Land Use - User-defined industrial for CWWTF; building and parking SF per site plan; parking lot SF includes appx 0.27 easement road

Construction Phase - CalEEMod default building const. length for 360 units = 440. Therefore, each building const. phase assumed to be 440/3. Other phases kept at default lengths.

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates from ATE Traffic Study (2020)

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - All Title 24 electricity for residential use to be provided by solar per 2019 Building Energy Efficiency Standards

Water And Wastewater -

Construction Off-road Equipment Mitigation - Mitigation Measure AQ-1

Mobile Land Use Mitigation - 100% affordable housing

Energy Mitigation -

Water Mitigation - Compliance with 2019 CALGreen

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps - 200 kW generator, tested 30 minutes per week per applicant estimates.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

Somis - Mitigated - Ventura County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	27.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	440.00	147.00
tblConstructionPhase	NumDays	440.00	147.00
tblConstructionPhase	NumDays	440.00	147.00
tblEnergyUse	T24E	177.01	0.00

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tblGrading	MaterialImported	0.00	11,200.00
tblGrading	MaterialImported	0.00	11,200.00
tblGrading	MaterialImported	0.00	11,200.00
tblLandUse	LandUseSquareFeet	0.00	6,530.00
tblLandUse	LandUseSquareFeet	262,000.00	165,735.00
tblLandUse	LandUseSquareFeet	360,000.00	229,012.00
tblLandUse	LotAcreage	0.00	0.15
tblLandUse	LotAcreage	5.89	6.17
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	702.44	530.48
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblVehicleTrips	CC_TTP	0.00	32.90
tblVehicleTrips	CNW_TTP	0.00	49.10
tblVehicleTrips	CW_TTP	0.00	18.00
tblVehicleTrips	DV_TP	0.00	11.00
tblVehicleTrips	PB_TP	0.00	3.00
tblVehicleTrips	PR_TP	0.00	86.00
tblVehicleTrips	ST_TR	7.16	7.32

Somis - Mitigated - Ventura County, Winter

tblVehicleTrips	ST_TR	0.00	2.00
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	SU_TR	0.00	2.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	0.00	2.00

**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.4869	54.1998	33.2988	0.0863	18.2141	2.0455	20.2596	9.9699	1.8819	11.8517	0.0000	8,657.3429	8,657.3429	2.1918	0.0000	8,712.1376
2022	74.5899	45.9180	31.4186	0.0860	18.2141	1.6628	19.8277	9.9699	1.5308	11.4544	0.0000	8,623.0452	8,623.0452	2.1886	0.0000	8,677.7593
2023	74.5635	39.1481	30.2437	0.0851	18.2141	1.4353	19.4811	9.9699	1.3209	11.1355	0.0000	8,539.4855	8,539.4855	2.1734	0.0000	8,593.8206
2024	74.5409	18.4343	24.1038	0.0640	3.1258	0.6367	3.7625	0.8390	0.5987	1.4377	0.0000	6,381.2823	6,381.2823	0.7718	0.0000	6,400.5773
<b>Maximum</b>	<b>74.5899</b>	<b>54.1998</b>	<b>33.2988</b>	<b>0.0863</b>	<b>18.2141</b>	<b>2.0455</b>	<b>20.2596</b>	<b>9.9699</b>	<b>1.8819</b>	<b>11.8517</b>	<b>0.0000</b>	<b>8,657.3429</b>	<b>8,657.3429</b>	<b>2.1918</b>	<b>0.0000</b>	<b>8,712.1376</b>





Somis - Mitigated - Ventura County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.7091	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648	0.0000	53.6224	53.6224	0.0517	0.0000	54.9146
Energy	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
Mobile	3.0780	11.8136	39.8474	0.1487	15.4211	0.1147	15.5358	4.1180	0.1065	4.2245		15,091.4727	15,091.4727	0.5799		15,105.9692
Stationary	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
<b>Total</b>	<b>10.0870</b>	<b>13.7748</b>	<b>70.5142</b>	<b>0.1585</b>	<b>15.4211</b>	<b>0.3974</b>	<b>15.8185</b>	<b>4.1180</b>	<b>0.3892</b>	<b>4.5072</b>	<b>0.0000</b>	<b>16,709.6113</b>	<b>16,709.6113</b>	<b>0.6717</b>	<b>0.0271</b>	<b>16,734.4925</b>

Somis - Mitigated - Ventura County, Winter

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.7091	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648	0.0000	53.6224	53.6224	0.0517	0.0000	54.9146
Energy	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
Mobile	3.0362	11.5672	38.6470	0.1431	14.8043	0.1107	14.9150	3.9533	0.1028	4.0561		14,518.5538	14,518.5538	0.5615		14,532.5915
Stationary	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
<b>Total</b>	<b>10.0452</b>	<b>13.5283</b>	<b>69.3138</b>	<b>0.1528</b>	<b>14.8043</b>	<b>0.3934</b>	<b>15.1977</b>	<b>3.9533</b>	<b>0.3855</b>	<b>4.3387</b>	<b>0.0000</b>	<b>16,136.6924</b>	<b>16,136.6924</b>	<b>0.6534</b>	<b>0.0271</b>	<b>16,161.1149</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.41</b>	<b>1.79</b>	<b>1.70</b>	<b>3.56</b>	<b>4.00</b>	<b>1.00</b>	<b>3.92</b>	<b>4.00</b>	<b>0.96</b>	<b>3.74</b>	<b>0.00</b>	<b>3.43</b>	<b>3.43</b>	<b>2.73</b>	<b>0.00</b>	<b>3.43</b>

**3.0 Construction Detail**

**Construction Phase**

Somis - Mitigated - Ventura County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation - Phase I	Site Preparation	7/1/2021	7/28/2021	5	20	
2	Grading - Phase I	Grading	7/29/2021	9/29/2021	5	45	
3	Building Construction - Phase I	Building Construction	9/30/2021	4/22/2022	5	147	
4	Paving - Phase I	Paving	4/23/2022	6/10/2022	5	35	
5	Architectural Coating - Phase I	Architectural Coating	6/11/2022	7/29/2022	5	35	
6	Site Preparation - Phase II	Site Preparation	7/30/2022	8/26/2022	5	20	
7	Grading - Phase II	Grading	8/27/2022	10/28/2022	5	45	
8	Building Construction - Phase II	Building Construction	10/29/2022	5/23/2023	5	147	
9	Paving - Phase II	Paving	5/24/2023	7/11/2023	5	35	
10	Architectural Coating - Phase II	Architectural Coating	7/12/2023	8/29/2023	5	35	
11	Site Preparation - Phase III	Site Preparation	8/30/2023	9/26/2023	5	20	
12	Grading - Phase III	Grading	9/27/2023	11/28/2023	5	45	
13	Building Construction - Phase III	Building Construction	11/29/2023	6/20/2024	5	147	
14	Paving - Phase III	Paving	6/21/2024	8/8/2024	5	35	
15	Architectural Coating - Phase III	Architectural Coating	8/9/2024	9/26/2024	5	35	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 6.17**

**Residential Indoor: 463,749; Residential Outdoor: 154,583; Non-Residential Indoor: 9,795; Non-Residential Outdoor: 3,265; Striped Parking Area: 9,944 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation - Phase I	Rubber Tired Dozers	3	8.00	247	0.40

Somis - Mitigated - Ventura County, Winter

Site Preparation - Phase I	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase I	Excavators	2	8.00	158	0.38
Grading - Phase I	Graders	1	8.00	187	0.41
Grading - Phase I	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase I	Scrapers	2	8.00	367	0.48
Grading - Phase I	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase I	Cranes	1	7.00	231	0.29
Building Construction - Phase I	Forklifts	3	8.00	89	0.20
Building Construction - Phase I	Generator Sets	1	8.00	84	0.74
Building Construction - Phase I	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase I	Welders	1	8.00	46	0.45
Paving - Phase I	Pavers	2	8.00	130	0.42
Paving - Phase I	Paving Equipment	2	8.00	132	0.36
Paving - Phase I	Rollers	2	8.00	80	0.38
Architectural Coating - Phase I	Air Compressors	1	6.00	78	0.48
Site Preparation - Phase II	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase II	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase II	Excavators	2	8.00	158	0.38
Grading - Phase II	Graders	1	8.00	187	0.41
Grading - Phase II	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase II	Scrapers	2	8.00	367	0.48
Grading - Phase II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase II	Cranes	1	7.00	231	0.29
Building Construction - Phase II	Forklifts	3	8.00	89	0.20
Building Construction - Phase II	Generator Sets	1	8.00	84	0.74
Building Construction - Phase II	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase II	Welders	1	8.00	46	0.45

Somis - Mitigated - Ventura County, Winter

Paving - Phase II	Pavers	2	8.00	130	0.42
Paving - Phase II	Paving Equipment	2	8.00	132	0.36
Paving - Phase II	Rollers	2	8.00	80	0.38
Architectural Coating - Phase II	Air Compressors	1	6.00	78	0.48
Site Preparation - Phase III	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase III	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase III	Excavators	2	8.00	158	0.38
Grading - Phase III	Graders	1	8.00	187	0.41
Grading - Phase III	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase III	Scrapers	2	8.00	367	0.48
Grading - Phase III	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase III	Cranes	1	7.00	231	0.29
Building Construction - Phase III	Forklifts	3	8.00	89	0.20
Building Construction - Phase III	Generator Sets	1	8.00	84	0.74
Building Construction - Phase III	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase III	Welders	1	8.00	46	0.45
Paving - Phase III	Pavers	2	8.00	130	0.42
Paving - Phase III	Paving Equipment	2	8.00	132	0.36
Paving - Phase III	Rollers	2	8.00	80	0.38
Architectural Coating - Phase III	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Somis - Mitigated - Ventura County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation - Phase I	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase I	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase I	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase I	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase I	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase II	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase II	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase II	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase II	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase II	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase III	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase III	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase III	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase III	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase III	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Somis - Mitigated - Ventura County, Winter

**3.2 Site Preparation - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>3.8882</b>	<b>40.4971</b>	<b>21.1543</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.0445</b>	<b>20.1107</b>	<b>9.9307</b>	<b>1.8809</b>	<b>11.8116</b>		<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0417	0.4478	1.3200e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		131.8827	131.8827	3.3500e-003		131.9665
<b>Total</b>	<b>0.0699</b>	<b>0.0417</b>	<b>0.4478</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>1.0200e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.4000e-004</b>	<b>0.0402</b>		<b>131.8827</b>	<b>131.8827</b>	<b>3.3500e-003</b>		<b>131.9665</b>



Somis - Mitigated - Ventura County, Winter

**3.2 Site Preparation - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
<b>Total</b>	<b>0.9312</b>	<b>19.0656</b>	<b>22.9600</b>	<b>0.0380</b>	<b>8.1298</b>	<b>0.9462</b>	<b>9.0760</b>	<b>4.4688</b>	<b>0.9462</b>	<b>5.4150</b>	<b>0.0000</b>	<b>3,685.6569</b>	<b>3,685.6569</b>	<b>1.1920</b>		<b>3,715.4573</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0417	0.4478	1.3200e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		131.8827	131.8827	3.3500e-003		131.9665
<b>Total</b>	<b>0.0699</b>	<b>0.0417</b>	<b>0.4478</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>1.0200e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.4000e-004</b>	<b>0.0402</b>		<b>131.8827</b>	<b>131.8827</b>	<b>3.3500e-003</b>		<b>131.9665</b>

Somis - Mitigated - Ventura County, Winter

**3.3 Grading - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7083	0.0000	8.7083	3.6018	0.0000	3.6018			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.043 4	6,007.043 4	1.9428		6,055.613 4
<b>Total</b>	<b>4.1912</b>	<b>46.3998</b>	<b>30.8785</b>	<b>0.0620</b>	<b>8.7083</b>	<b>1.9853</b>	<b>10.6937</b>	<b>3.6018</b>	<b>1.8265</b>	<b>5.4283</b>		<b>6,007.043 4</b>	<b>6,007.043 4</b>	<b>1.9428</b>		<b>6,055.613 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2181	7.7537	1.9228	0.0228	0.5420	0.0315	0.5736	0.1484	0.0302	0.1786		2,503.763 1	2,503.763 1	0.2453		2,509.894 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0464	0.4975	1.4700e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		146.5363	146.5363	3.7300e-003		146.6294
<b>Total</b>	<b>0.2958</b>	<b>7.8000</b>	<b>2.4203</b>	<b>0.0243</b>	<b>0.7063</b>	<b>0.0327</b>	<b>0.7390</b>	<b>0.1920</b>	<b>0.0312</b>	<b>0.2232</b>		<b>2,650.299 4</b>	<b>2,650.299 4</b>	<b>0.2490</b>		<b>2,656.524 1</b>

Somis - Mitigated - Ventura County, Winter

**3.3 Grading - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9187	0.0000	3.9187	1.6208	0.0000	1.6208			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
<b>Total</b>	<b>1.5231</b>	<b>29.9782</b>	<b>36.7226</b>	<b>0.0620</b>	<b>3.9187</b>	<b>1.2994</b>	<b>5.2182</b>	<b>1.6208</b>	<b>1.2994</b>	<b>2.9202</b>	<b>0.0000</b>	<b>6,007.043 4</b>	<b>6,007.043 4</b>	<b>1.9428</b>		<b>6,055.613 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2181	7.7537	1.9228	0.0228	0.5420	0.0315	0.5736	0.1484	0.0302	0.1786		2,503.763 1	2,503.763 1	0.2453		2,509.894 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0464	0.4975	1.4700e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		146.5363	146.5363	3.7300e-003		146.6294
<b>Total</b>	<b>0.2958</b>	<b>7.8000</b>	<b>2.4203</b>	<b>0.0243</b>	<b>0.7063</b>	<b>0.0327</b>	<b>0.7390</b>	<b>0.1920</b>	<b>0.0312</b>	<b>0.2232</b>		<b>2,650.299 4</b>	<b>2,650.299 4</b>	<b>0.2490</b>		<b>2,656.524 1</b>

Somis - Mitigated - Ventura County, Winter

**3.4 Building Construction - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1941	6.2603	1.8173	0.0162	0.4394	0.0184	0.4578	0.1265	0.0176	0.1441		1,747.3527	1,747.3527	0.1459		1,750.9996
Worker	1.2706	0.7578	8.1342	0.0241	2.6862	0.0186	2.7049	0.7125	0.0172	0.7297		2,395.8684	2,395.8684	0.0609		2,397.3912
<b>Total</b>	<b>1.4647</b>	<b>7.0181</b>	<b>9.9515</b>	<b>0.0403</b>	<b>3.1256</b>	<b>0.0371</b>	<b>3.1627</b>	<b>0.8390</b>	<b>0.0348</b>	<b>0.8737</b>		<b>4,143.2211</b>	<b>4,143.2211</b>	<b>0.2068</b>		<b>4,148.3908</b>

Somis - Mitigated - Ventura County, Winter

**3.4 Building Construction - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>0.6739</b>	<b>14.2261</b>	<b>17.8738</b>	<b>0.0269</b>		<b>0.9036</b>	<b>0.9036</b>		<b>0.9036</b>	<b>0.9036</b>	<b>0.0000</b>	<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1941	6.2603	1.8173	0.0162	0.4394	0.0184	0.4578	0.1265	0.0176	0.1441		1,747.3527	1,747.3527	0.1459		1,750.9996
Worker	1.2706	0.7578	8.1342	0.0241	2.6862	0.0186	2.7049	0.7125	0.0172	0.7297		2,395.8684	2,395.8684	0.0609		2,397.3912
<b>Total</b>	<b>1.4647</b>	<b>7.0181</b>	<b>9.9515</b>	<b>0.0403</b>	<b>3.1256</b>	<b>0.0371</b>	<b>3.1627</b>	<b>0.8390</b>	<b>0.0348</b>	<b>0.8737</b>		<b>4,143.2211</b>	<b>4,143.2211</b>	<b>0.2068</b>		<b>4,148.3908</b>

Somis - Mitigated - Ventura County, Winter

**3.4 Building Construction - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1806	5.8843	1.7232	0.0161	0.4394	0.0160	0.4554	0.1265	0.0153	0.1418		1,730.9506	1,730.9506	0.1403		1,734.4588
Worker	1.1970	0.6839	7.5114	0.0232	2.6862	0.0182	2.7044	0.7125	0.0167	0.7292		2,307.8494	2,307.8494	0.0550		2,309.2240
<b>Total</b>	<b>1.3776</b>	<b>6.5681</b>	<b>9.2346</b>	<b>0.0392</b>	<b>3.1257</b>	<b>0.0342</b>	<b>3.1598</b>	<b>0.8390</b>	<b>0.0320</b>	<b>0.8710</b>		<b>4,038.8000</b>	<b>4,038.8000</b>	<b>0.1953</b>		<b>4,043.6828</b>

Somis - Mitigated - Ventura County, Winter

**3.4 Building Construction - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>0.6739</b>	<b>14.2261</b>	<b>17.8738</b>	<b>0.0269</b>		<b>0.9036</b>	<b>0.9036</b>		<b>0.9036</b>	<b>0.9036</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1806	5.8843	1.7232	0.0161	0.4394	0.0160	0.4554	0.1265	0.0153	0.1418		1,730.9506	1,730.9506	0.1403		1,734.4588
Worker	1.1970	0.6839	7.5114	0.0232	2.6862	0.0182	2.7044	0.7125	0.0167	0.7292		2,307.8494	2,307.8494	0.0550		2,309.2240
<b>Total</b>	<b>1.3776</b>	<b>6.5681</b>	<b>9.2346</b>	<b>0.0392</b>	<b>3.1257</b>	<b>0.0342</b>	<b>3.1598</b>	<b>0.8390</b>	<b>0.0320</b>	<b>0.8710</b>		<b>4,038.8000</b>	<b>4,038.8000</b>	<b>0.1953</b>		<b>4,043.6828</b>

Somis - Mitigated - Ventura County, Winter

**3.5 Paving - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.4619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.5647</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0314	0.3446	1.0600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		105.8647	105.8647	2.5200e-003		105.9277
<b>Total</b>	<b>0.0549</b>	<b>0.0314</b>	<b>0.3446</b>	<b>1.0600e-003</b>	<b>0.1232</b>	<b>8.3000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>7.7000e-004</b>	<b>0.0335</b>		<b>105.8647</b>	<b>105.8647</b>	<b>2.5200e-003</b>		<b>105.9277</b>



Somis - Mitigated - Ventura County, Winter

**3.5 Paving - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.4619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0228</b>	<b>11.2952</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.6093</b>	<b>0.6093</b>		<b>0.6093</b>	<b>0.6093</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0314	0.3446	1.0600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		105.8647	105.8647	2.5200e-003		105.9277
<b>Total</b>	<b>0.0549</b>	<b>0.0314</b>	<b>0.3446</b>	<b>1.0600e-003</b>	<b>0.1232</b>	<b>8.3000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>7.7000e-004</b>	<b>0.0335</b>		<b>105.8647</b>	<b>105.8647</b>	<b>2.5200e-003</b>		<b>105.9277</b>

Somis - Mitigated - Ventura County, Winter

**3.6 Architectural Coating - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>74.3519</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2379	0.1359	1.4931	4.6000e-003	0.5340	3.6100e-003	0.5376	0.1416	3.3200e-003	0.1450		458.7468	458.7468	0.0109		459.0201
<b>Total</b>	<b>0.2379</b>	<b>0.1359</b>	<b>1.4931</b>	<b>4.6000e-003</b>	<b>0.5340</b>	<b>3.6100e-003</b>	<b>0.5376</b>	<b>0.1416</b>	<b>3.3200e-003</b>	<b>0.1450</b>		<b>458.7468</b>	<b>458.7468</b>	<b>0.0109</b>		<b>459.0201</b>

Somis - Mitigated - Ventura County, Winter

**3.6 Architectural Coating - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>74.2068</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2379	0.1359	1.4931	4.6000e-003	0.5340	3.6100e-003	0.5376	0.1416	3.3200e-003	0.1450		458.7468	458.7468	0.0109		459.0201
<b>Total</b>	<b>0.2379</b>	<b>0.1359</b>	<b>1.4931</b>	<b>4.6000e-003</b>	<b>0.5340</b>	<b>3.6100e-003</b>	<b>0.5376</b>	<b>0.1416</b>	<b>3.3200e-003</b>	<b>0.1450</b>		<b>458.7468</b>	<b>458.7468</b>	<b>0.0109</b>		<b>459.0201</b>

Somis - Mitigated - Ventura County, Winter

**3.7 Site Preparation - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0659	0.0376	0.4135	1.2700e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		127.0376	127.0376	3.0300e-003		127.1133
<b>Total</b>	<b>0.0659</b>	<b>0.0376</b>	<b>0.4135</b>	<b>1.2700e-003</b>	<b>0.1479</b>	<b>1.0000e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.2000e-004</b>	<b>0.0401</b>		<b>127.0376</b>	<b>127.0376</b>	<b>3.0300e-003</b>		<b>127.1133</b>

Somis - Mitigated - Ventura County, Winter

**3.7 Site Preparation - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>0.9312</b>	<b>19.0656</b>	<b>22.9600</b>	<b>0.0380</b>	<b>8.1298</b>	<b>0.9462</b>	<b>9.0760</b>	<b>4.4688</b>	<b>0.9462</b>	<b>5.4150</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0659	0.0376	0.4135	1.2700e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		127.0376	127.0376	3.0300e-003		127.1133
<b>Total</b>	<b>0.0659</b>	<b>0.0376</b>	<b>0.4135</b>	<b>1.2700e-003</b>	<b>0.1479</b>	<b>1.0000e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.2000e-004</b>	<b>0.0401</b>		<b>127.0376</b>	<b>127.0376</b>	<b>3.0300e-003</b>		<b>127.1133</b>

Somis - Mitigated - Ventura County, Winter

**3.8 Grading - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7083	0.0000	8.7083	3.6018	0.0000	3.6018			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>8.7083</b>	<b>1.6349</b>	<b>10.3432</b>	<b>3.6018</b>	<b>1.5041</b>	<b>5.1059</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2050	7.0327	1.9177	0.0225	0.5421	0.0268	0.5690	0.1484	0.0257	0.1741		2,470.4818	2,470.4818	0.2410		2,476.5065
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0732	0.0418	0.4594	1.4200e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		141.1529	141.1529	3.3600e-003		141.2369
<b>Total</b>	<b>0.2782</b>	<b>7.0745</b>	<b>2.3771</b>	<b>0.0239</b>	<b>0.7064</b>	<b>0.0280</b>	<b>0.7344</b>	<b>0.1920</b>	<b>0.0267</b>	<b>0.2187</b>		<b>2,611.6347</b>	<b>2,611.6347</b>	<b>0.2444</b>		<b>2,617.7435</b>

Somis - Mitigated - Ventura County, Winter

**3.8 Grading - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9187	0.0000	3.9187	1.6208	0.0000	1.6208			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0621		1.2994	1.2994		1.2994	1.2994	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>1.5231</b>	<b>29.9782</b>	<b>36.7226</b>	<b>0.0621</b>	<b>3.9187</b>	<b>1.2994</b>	<b>5.2182</b>	<b>1.6208</b>	<b>1.2994</b>	<b>2.9202</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2050	7.0327	1.9177	0.0225	0.5421	0.0268	0.5690	0.1484	0.0257	0.1741		2,470.4818	2,470.4818	0.2410		2,476.5065
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0732	0.0418	0.4594	1.4200e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		141.1529	141.1529	3.3600e-003		141.2369
<b>Total</b>	<b>0.2782</b>	<b>7.0745</b>	<b>2.3771</b>	<b>0.0239</b>	<b>0.7064</b>	<b>0.0280</b>	<b>0.7344</b>	<b>0.1920</b>	<b>0.0267</b>	<b>0.2187</b>		<b>2,611.6347</b>	<b>2,611.6347</b>	<b>0.2444</b>		<b>2,617.7435</b>

Somis - Mitigated - Ventura County, Winter

**3.9 Building Construction - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1806	5.8843	1.7232	0.0161	0.4394	0.0160	0.4554	0.1265	0.0153	0.1418		1,730.9506	1,730.9506	0.1403		1,734.4588
Worker	1.1970	0.6839	7.5114	0.0232	2.6862	0.0182	2.7044	0.7125	0.0167	0.7292		2,307.8494	2,307.8494	0.0550		2,309.2240
<b>Total</b>	<b>1.3776</b>	<b>6.5681</b>	<b>9.2346</b>	<b>0.0392</b>	<b>3.1257</b>	<b>0.0342</b>	<b>3.1598</b>	<b>0.8390</b>	<b>0.0320</b>	<b>0.8710</b>		<b>4,038.8000</b>	<b>4,038.8000</b>	<b>0.1953</b>		<b>4,043.6828</b>



Somis - Mitigated - Ventura County, Winter

**3.9 Building Construction - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>0.6739</b>	<b>14.2261</b>	<b>17.8738</b>	<b>0.0269</b>		<b>0.9036</b>	<b>0.9036</b>		<b>0.9036</b>	<b>0.9036</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1806	5.8843	1.7232	0.0161	0.4394	0.0160	0.4554	0.1265	0.0153	0.1418		1,730.9506	1,730.9506	0.1403		1,734.4588
Worker	1.1970	0.6839	7.5114	0.0232	2.6862	0.0182	2.7044	0.7125	0.0167	0.7292		2,307.8494	2,307.8494	0.0550		2,309.2240
<b>Total</b>	<b>1.3776</b>	<b>6.5681</b>	<b>9.2346</b>	<b>0.0392</b>	<b>3.1257</b>	<b>0.0342</b>	<b>3.1598</b>	<b>0.8390</b>	<b>0.0320</b>	<b>0.8710</b>		<b>4,038.8000</b>	<b>4,038.8000</b>	<b>0.1953</b>		<b>4,043.6828</b>

Somis - Mitigated - Ventura County, Winter

**3.9 Building Construction - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1341	4.4801	1.5454	0.0157	0.4395	6.0700e-003	0.4456	0.1265	5.8000e-003	0.1323		1,692.7390	1,692.7390	0.1247		1,695.8573
Worker	1.1292	0.6176	6.9228	0.0223	2.6862	0.0177	2.7040	0.7125	0.0163	0.7288		2,219.4822	2,219.4822	0.0495		2,220.7188
<b>Total</b>	<b>1.2634</b>	<b>5.0977</b>	<b>8.4682</b>	<b>0.0379</b>	<b>3.1257</b>	<b>0.0238</b>	<b>3.1495</b>	<b>0.8390</b>	<b>0.0221</b>	<b>0.8611</b>		<b>3,912.2211</b>	<b>3,912.2211</b>	<b>0.1742</b>		<b>3,916.5761</b>

Somis - Mitigated - Ventura County, Winter

**3.9 Building Construction - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>0.6739</b>	<b>14.2261</b>	<b>17.8738</b>	<b>0.0269</b>		<b>0.9036</b>	<b>0.9036</b>		<b>0.9036</b>	<b>0.9036</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1341	4.4801	1.5454	0.0157	0.4395	6.0700e-003	0.4456	0.1265	5.8000e-003	0.1323		1,692.7390	1,692.7390	0.1247		1,695.8573
Worker	1.1292	0.6176	6.9228	0.0223	2.6862	0.0177	2.7040	0.7125	0.0163	0.7288		2,219.4822	2,219.4822	0.0495		2,220.7188
<b>Total</b>	<b>1.2634</b>	<b>5.0977</b>	<b>8.4682</b>	<b>0.0379</b>	<b>3.1257</b>	<b>0.0238</b>	<b>3.1495</b>	<b>0.8390</b>	<b>0.0221</b>	<b>0.8611</b>		<b>3,912.2211</b>	<b>3,912.2211</b>	<b>0.1742</b>		<b>3,916.5761</b>

Somis - Mitigated - Ventura County, Winter

**3.10 Paving - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.4619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4946</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0283	0.3176	1.0200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		101.8111	101.8111	2.2700e-003		101.8678
<b>Total</b>	<b>0.0518</b>	<b>0.0283</b>	<b>0.3176</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>8.1000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>101.8111</b>	<b>101.8111</b>	<b>2.2700e-003</b>		<b>101.8678</b>

Somis - Mitigated - Ventura County, Winter

**3.10 Paving - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.4619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0228</b>	<b>11.2952</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.6093</b>	<b>0.6093</b>		<b>0.6093</b>	<b>0.6093</b>	<b>0.0000</b>	<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0283	0.3176	1.0200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		101.8111	101.8111	2.2700e-003		101.8678
<b>Total</b>	<b>0.0518</b>	<b>0.0283</b>	<b>0.3176</b>	<b>1.0200e-003</b>	<b>0.1232</b>	<b>8.1000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>101.8111</b>	<b>101.8111</b>	<b>2.2700e-003</b>		<b>101.8678</b>

Somis - Mitigated - Ventura County, Winter

**3.11 Architectural Coating - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>74.3391</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2245	0.1228	1.3761	4.4300e-003	0.5340	3.5200e-003	0.5375	0.1416	3.2500e-003	0.1449		441.1815	441.1815	9.8300e-003		441.4273
<b>Total</b>	<b>0.2245</b>	<b>0.1228</b>	<b>1.3761</b>	<b>4.4300e-003</b>	<b>0.5340</b>	<b>3.5200e-003</b>	<b>0.5375</b>	<b>0.1416</b>	<b>3.2500e-003</b>	<b>0.1449</b>		<b>441.1815</b>	<b>441.1815</b>	<b>9.8300e-003</b>		<b>441.4273</b>

Somis - Mitigated - Ventura County, Winter

**3.11 Architectural Coating - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>74.2068</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2245	0.1228	1.3761	4.4300e-003	0.5340	3.5200e-003	0.5375	0.1416	3.2500e-003	0.1449		441.1815	441.1815	9.8300e-003		441.4273
<b>Total</b>	<b>0.2245</b>	<b>0.1228</b>	<b>1.3761</b>	<b>4.4300e-003</b>	<b>0.5340</b>	<b>3.5200e-003</b>	<b>0.5375</b>	<b>0.1416</b>	<b>3.2500e-003</b>	<b>0.1449</b>		<b>441.1815</b>	<b>441.1815</b>	<b>9.8300e-003</b>		<b>441.4273</b>

Somis - Mitigated - Ventura County, Winter

**3.12 Site Preparation - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
<b>Total</b>	<b>2.6595</b>	<b>27.5242</b>	<b>18.2443</b>	<b>0.0381</b>	<b>18.0663</b>	<b>1.2660</b>	<b>19.3323</b>	<b>9.9307</b>	<b>1.1647</b>	<b>11.0954</b>		<b>3,687.3081</b>	<b>3,687.3081</b>	<b>1.1926</b>		<b>3,717.1219</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0622	0.0340	0.3811	1.2300e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		122.1733	122.1733	2.7200e-003		122.2414
<b>Total</b>	<b>0.0622</b>	<b>0.0340</b>	<b>0.3811</b>	<b>1.2300e-003</b>	<b>0.1479</b>	<b>9.8000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>9.0000e-004</b>	<b>0.0401</b>		<b>122.1733</b>	<b>122.1733</b>	<b>2.7200e-003</b>		<b>122.2414</b>



Somis - Mitigated - Ventura County, Winter

**3.12 Site Preparation - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
<b>Total</b>	<b>0.9312</b>	<b>19.0656</b>	<b>22.9600</b>	<b>0.0381</b>	<b>8.1298</b>	<b>0.9462</b>	<b>9.0760</b>	<b>4.4688</b>	<b>0.9462</b>	<b>5.4150</b>	<b>0.0000</b>	<b>3,687.3081</b>	<b>3,687.3081</b>	<b>1.1926</b>		<b>3,717.1219</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0622	0.0340	0.3811	1.2300e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		122.1733	122.1733	2.7200e-003		122.2414
<b>Total</b>	<b>0.0622</b>	<b>0.0340</b>	<b>0.3811</b>	<b>1.2300e-003</b>	<b>0.1479</b>	<b>9.8000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>9.0000e-004</b>	<b>0.0401</b>		<b>122.1733</b>	<b>122.1733</b>	<b>2.7200e-003</b>		<b>122.2414</b>

Somis - Mitigated - Ventura County, Winter

**3.13 Grading - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7083	0.0000	8.7083	3.6018	0.0000	3.6018			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>	<b>28.0512</b>	<b>0.0621</b>	<b>8.7083</b>	<b>1.4245</b>	<b>10.1328</b>	<b>3.6018</b>	<b>1.3105</b>	<b>4.9123</b>		<b>6,011.4777</b>	<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1390	4.5948	1.7691	0.0217	0.5422	9.7400e-003	0.5520	0.1485	9.3200e-003	0.1578		2,392.2596	2,392.2596	0.2261		2,397.9132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0691	0.0378	0.4234	1.3600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		135.7481	135.7481	3.0300e-003		135.8238
<b>Total</b>	<b>0.2080</b>	<b>4.6325</b>	<b>2.1925</b>	<b>0.0231</b>	<b>0.7065</b>	<b>0.0108</b>	<b>0.7173</b>	<b>0.1921</b>	<b>0.0103</b>	<b>0.2024</b>		<b>2,528.0077</b>	<b>2,528.0077</b>	<b>0.2292</b>		<b>2,533.7370</b>

Somis - Mitigated - Ventura County, Winter

**3.13 Grading - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					3.9187	0.0000	3.9187	1.6208	0.0000	1.6208			0.0000				0.0000
Off-Road	1.5231	29.9782	36.7226	0.0621		1.2994	1.2994		1.2994	1.2994	0.0000	6,011.4777	6,011.4777	1.9442			6,060.0836
<b>Total</b>	<b>1.5231</b>	<b>29.9782</b>	<b>36.7226</b>	<b>0.0621</b>	<b>3.9187</b>	<b>1.2994</b>	<b>5.2182</b>	<b>1.6208</b>	<b>1.2994</b>	<b>2.9202</b>	<b>0.0000</b>	<b>6,011.4777</b>	<b>6,011.4777</b>	<b>1.9442</b>			<b>6,060.0836</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.1390	4.5948	1.7691	0.0217	0.5422	9.7400e-003	0.5520	0.1485	9.3200e-003	0.1578		2,392.2596	2,392.2596	0.2261			2,397.9132
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0691	0.0378	0.4234	1.3600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		135.7481	135.7481	3.0300e-003			135.8238
<b>Total</b>	<b>0.2080</b>	<b>4.6325</b>	<b>2.1925</b>	<b>0.0231</b>	<b>0.7065</b>	<b>0.0108</b>	<b>0.7173</b>	<b>0.1921</b>	<b>0.0103</b>	<b>0.2024</b>		<b>2,528.0077</b>	<b>2,528.0077</b>	<b>0.2292</b>			<b>2,533.7370</b>

Somis - Mitigated - Ventura County, Winter

**3.14 Building Construction - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1341	4.4801	1.5454	0.0157	0.4395	6.0700e-003	0.4456	0.1265	5.8000e-003	0.1323		1,692.7390	1,692.7390	0.1247		1,695.8573
Worker	1.1292	0.6176	6.9228	0.0223	2.6862	0.0177	2.7040	0.7125	0.0163	0.7288		2,219.4822	2,219.4822	0.0495		2,220.7188
<b>Total</b>	<b>1.2634</b>	<b>5.0977</b>	<b>8.4682</b>	<b>0.0379</b>	<b>3.1257</b>	<b>0.0238</b>	<b>3.1495</b>	<b>0.8390</b>	<b>0.0221</b>	<b>0.8611</b>		<b>3,912.2211</b>	<b>3,912.2211</b>	<b>0.1742</b>		<b>3,916.5761</b>

Somis - Mitigated - Ventura County, Winter

**3.14 Building Construction - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>0.6739</b>	<b>14.2261</b>	<b>17.8738</b>	<b>0.0269</b>		<b>0.9036</b>	<b>0.9036</b>		<b>0.9036</b>	<b>0.9036</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1341	4.4801	1.5454	0.0157	0.4395	6.0700e-003	0.4456	0.1265	5.8000e-003	0.1323		1,692.7390	1,692.7390	0.1247		1,695.8573
Worker	1.1292	0.6176	6.9228	0.0223	2.6862	0.0177	2.7040	0.7125	0.0163	0.7288		2,219.4822	2,219.4822	0.0495		2,220.7188
<b>Total</b>	<b>1.2634</b>	<b>5.0977</b>	<b>8.4682</b>	<b>0.0379</b>	<b>3.1257</b>	<b>0.0238</b>	<b>3.1495</b>	<b>0.8390</b>	<b>0.0221</b>	<b>0.8611</b>		<b>3,912.2211</b>	<b>3,912.2211</b>	<b>0.1742</b>		<b>3,916.5761</b>

Somis - Mitigated - Ventura County, Winter

**3.14 Building Construction - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1297	4.4295	1.5041	0.0156	0.4395	5.9200e-003	0.4454	0.1265	5.6600e-003	0.1322		1,684.6523	1,684.6523	0.1224		1,687.7123
Worker	1.0705	0.5610	6.4329	0.0215	2.6862	0.0175	2.7037	0.7125	0.0161	0.7286		2,140.9311	2,140.9311	0.0451		2,142.0573
<b>Total</b>	<b>1.2002</b>	<b>4.9906</b>	<b>7.9370</b>	<b>0.0371</b>	<b>3.1258</b>	<b>0.0234</b>	<b>3.1491</b>	<b>0.8390</b>	<b>0.0218</b>	<b>0.8608</b>		<b>3,825.5834</b>	<b>3,825.5834</b>	<b>0.1675</b>		<b>3,829.7696</b>

Somis - Mitigated - Ventura County, Winter

**3.14 Building Construction - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>0.6739</b>	<b>14.2261</b>	<b>17.8738</b>	<b>0.0270</b>		<b>0.9036</b>	<b>0.9036</b>		<b>0.9036</b>	<b>0.9036</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1297	4.4295	1.5041	0.0156	0.4395	5.9200e-003	0.4454	0.1265	5.6600e-003	0.1322		1,684.6523	1,684.6523	0.1224		1,687.7123
Worker	1.0705	0.5610	6.4329	0.0215	2.6862	0.0175	2.7037	0.7125	0.0161	0.7286		2,140.9311	2,140.9311	0.0451		2,142.0573
<b>Total</b>	<b>1.2002</b>	<b>4.9906</b>	<b>7.9370</b>	<b>0.0371</b>	<b>3.1258</b>	<b>0.0234</b>	<b>3.1491</b>	<b>0.8390</b>	<b>0.0218</b>	<b>0.8608</b>		<b>3,825.5834</b>	<b>3,825.5834</b>	<b>0.1675</b>		<b>3,829.7696</b>

Somis - Mitigated - Ventura County, Winter

**3.15 Paving - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.4619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4500</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0257	0.2951	9.8000e-004	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		98.2079	98.2079	2.0700e-003		98.2595
<b>Total</b>	<b>0.0491</b>	<b>0.0257</b>	<b>0.2951</b>	<b>9.8000e-004</b>	<b>0.1232</b>	<b>8.0000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.4000e-004</b>	<b>0.0334</b>		<b>98.2079</b>	<b>98.2079</b>	<b>2.0700e-003</b>		<b>98.2595</b>



Somis - Mitigated - Ventura County, Winter

**3.15 Paving - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.4619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0228</b>	<b>11.2952</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.6093</b>	<b>0.6093</b>		<b>0.6093</b>	<b>0.6093</b>	<b>0.0000</b>	<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0491	0.0257	0.2951	9.8000e-004	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		98.2079	98.2079	2.0700e-003		98.2595
<b>Total</b>	<b>0.0491</b>	<b>0.0257</b>	<b>0.2951</b>	<b>9.8000e-004</b>	<b>0.1232</b>	<b>8.0000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.4000e-004</b>	<b>0.0334</b>		<b>98.2079</b>	<b>98.2079</b>	<b>2.0700e-003</b>		<b>98.2595</b>

Somis - Mitigated - Ventura County, Winter

**3.16 Architectural Coating - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>74.3282</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2128	0.1115	1.2787	4.2700e-003	0.5340	3.4700e-003	0.5374	0.1416	3.2000e-003	0.1448		425.5673	425.5673	8.9500e-003		425.7912
<b>Total</b>	<b>0.2128</b>	<b>0.1115</b>	<b>1.2787</b>	<b>4.2700e-003</b>	<b>0.5340</b>	<b>3.4700e-003</b>	<b>0.5374</b>	<b>0.1416</b>	<b>3.2000e-003</b>	<b>0.1448</b>		<b>425.5673</b>	<b>425.5673</b>	<b>8.9500e-003</b>		<b>425.7912</b>

Somis - Mitigated - Ventura County, Winter

**3.16 Architectural Coating - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>74.2068</b>	<b>1.3570</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>0.0951</b>	<b>0.0951</b>		<b>0.0951</b>	<b>0.0951</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2128	0.1115	1.2787	4.2700e-003	0.5340	3.4700e-003	0.5374	0.1416	3.2000e-003	0.1448		425.5673	425.5673	8.9500e-003		425.7912
<b>Total</b>	<b>0.2128</b>	<b>0.1115</b>	<b>1.2787</b>	<b>4.2700e-003</b>	<b>0.5340</b>	<b>3.4700e-003</b>	<b>0.5374</b>	<b>0.1416</b>	<b>3.2000e-003</b>	<b>0.1448</b>		<b>425.5673</b>	<b>425.5673</b>	<b>8.9500e-003</b>		<b>425.7912</b>

**4.0 Operational Detail - Mobile**

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Somis - Mitigated - Ventura County, Winter

**4.1 Mitigation Measures Mobile**

Integrate Below Market Rate Housing

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0362	11.5672	38.6470	0.1431	14.8043	0.1107	14.9150	3.9533	0.1028	4.0561		14,518.55 38	14,518.55 38	0.5615		14,532.59 15
Unmitigated	3.0780	11.8136	39.8474	0.1487	15.4211	0.1147	15.5358	4.1180	0.1065	4.2245		15,091.47 27	15,091.47 27	0.5799		15,105.96 92

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,635.20	2,635.20	2635.20	7,281,249	6,989,999
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	2.00	2.00	2.00	4,975	4,776
<b>Total</b>	<b>2,637.20</b>	<b>2,637.20</b>	<b>2,637.20</b>	<b>7,286,223</b>	<b>6,994,775</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
User Defined Industrial	9.50	7.30	7.30	18.00	32.90	49.10	86	11	3

Somis - Mitigated - Ventura County, Winter

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293
Parking Lot	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293
User Defined Industrial	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
NaturalGas Unmitigated	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631

Somis - Mitigated - Ventura County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	12584.8	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1357</b>	<b>1.1598</b>	<b>0.4935</b>	<b>7.4000e-003</b>		<b>0.0938</b>	<b>0.0938</b>		<b>0.0938</b>	<b>0.0938</b>		<b>1,480.5648</b>	<b>1,480.5648</b>	<b>0.0284</b>	<b>0.0271</b>	<b>1,489.3631</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	12.5848	0.1357	1.1598	0.4935	7.4000e-003		0.0938	0.0938		0.0938	0.0938		1,480.5648	1,480.5648	0.0284	0.0271	1,489.3631
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1357</b>	<b>1.1598</b>	<b>0.4935</b>	<b>7.4000e-003</b>		<b>0.0938</b>	<b>0.0938</b>		<b>0.0938</b>	<b>0.0938</b>		<b>1,480.5648</b>	<b>1,480.5648</b>	<b>0.0284</b>	<b>0.0271</b>	<b>1,489.3631</b>

**6.0 Area Detail**

Somis - Mitigated - Ventura County, Winter

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.7091	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648	0.0000	53.6224	53.6224	0.0517	0.0000	54.9146
Unmitigated	6.7091	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648	0.0000	53.6224	53.6224	0.0517	0.0000	54.9146

Somis - Mitigated - Ventura County, Winter

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8988	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648		53.6224	53.6224	0.0517		54.9146
<b>Total</b>	<b>6.7091</b>	<b>0.3427</b>	<b>29.7548</b>	<b>1.5700e-003</b>		<b>0.1648</b>	<b>0.1648</b>		<b>0.1648</b>	<b>0.1648</b>	<b>0.0000</b>	<b>53.6224</b>	<b>53.6224</b>	<b>0.0517</b>	<b>0.0000</b>	<b>54.9146</b>



Somis - Mitigated - Ventura County, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0993					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8988	0.3427	29.7548	1.5700e-003		0.1648	0.1648		0.1648	0.1648		53.6224	53.6224	0.0517		54.9146
<b>Total</b>	<b>6.7091</b>	<b>0.3427</b>	<b>29.7548</b>	<b>1.5700e-003</b>		<b>0.1648</b>	<b>0.1648</b>		<b>0.1648</b>	<b>0.1648</b>	<b>0.0000</b>	<b>53.6224</b>	<b>53.6224</b>	<b>0.0517</b>	<b>0.0000</b>	<b>54.9146</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Apply Water Conservation Strategy
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Somis - Mitigated - Ventura County, Winter

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	26	200	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (175 - 300 HP)	0.1641	0.4587	0.4184	7.9000e-004		0.0241	0.0241		0.0241	0.0241		83.9514	83.9514	0.0118		84.2457
<b>Total</b>	<b>0.1641</b>	<b>0.4587</b>	<b>0.4184</b>	<b>7.9000e-004</b>		<b>0.0241</b>	<b>0.0241</b>		<b>0.0241</b>	<b>0.0241</b>		<b>83.9514</b>	<b>83.9514</b>	<b>0.0118</b>		<b>84.2457</b>

**11.0 Vegetation**

Somis - Ventura County, Annual

**Somis**  
**Ventura County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.15	6,530.00	0
Parking Lot	655.00	Space	6.16	165,735.00	0
Apartments Low Rise	360.00	Dwelling Unit	22.50	229,012.00	1102

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2030
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	530.48	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Somis - Ventura County, Annual

Project Characteristics - Adjusted for SB 100 RPS of 40% renewables by 2024.

Land Use - User-defined industrial for CWWTF; building and parking SF per site plan; parking lot SF/acre includes appx 0.27 acre easement road

Construction Phase - CalEEMod default building const. length for 360 units = 440. Therefore, each building const. phase assumed to be 440/3. Other phases kept at default lengths.

Trips and VMT -

Grading -

Architectural Coating -

Vehicle Trips - Trip rates from ATE Traffic Study (2020)

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Energy Use - All Title 24 electricity for residential use to be provided by solar per 2019 Building Energy Efficiency Standards

Water And Wastewater -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - 100% affordable housing

Energy Mitigation -

Water Mitigation - Compliance with 2019 CALGreen

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps - 200 kW generator, tested 30 minutes per week per applicant estimates.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	440.00	147.00
tblConstructionPhase	NumDays	440.00	147.00
tblConstructionPhase	NumDays	440.00	147.00

Somis - Ventura County, Annual

tblEnergyUse	T24E	177.01	0.00
tblGrading	MaterialImported	0.00	11,200.00
tblGrading	MaterialImported	0.00	11,200.00
tblGrading	MaterialImported	0.00	11,200.00
tblLandUse	LandUseSquareFeet	0.00	6,530.00
tblLandUse	LandUseSquareFeet	262,000.00	165,735.00
tblLandUse	LandUseSquareFeet	360,000.00	229,012.00
tblLandUse	LotAcreage	0.00	0.15
tblLandUse	LotAcreage	5.89	6.16
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	702.44	530.48
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	VendorTripNumber	67.00	65.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblTripsAndVMT	WorkerTripNumber	66.00	65.00
tblTripsAndVMT	WorkerTripNumber	332.00	327.00
tblVehicleTrips	CC_TTP	0.00	32.90
tblVehicleTrips	CNW_TTP	0.00	49.10
tblVehicleTrips	CW_TTP	0.00	18.00
tblVehicleTrips	DV_TP	0.00	11.00
tblVehicleTrips	PB_TP	0.00	3.00
tblVehicleTrips	PR_TP	0.00	86.00

Somis - Ventura County, Annual

tblVehicleTrips	ST_TR	7.16	7.32
tblVehicleTrips	ST_TR	0.00	2.00
tblVehicleTrips	SU_TR	6.07	7.32
tblVehicleTrips	SU_TR	0.00	2.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	0.00	2.00

**2.0 Emissions Summary**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2480	2.4478	1.8458	4.6100e-003	0.4965	0.0992	0.5957	0.2126	0.0920	0.3046	0.0000	416.7367	416.7367	0.0804	0.0000	418.7455
2022	1.6370	2.9781	2.8143	7.0400e-003	0.5968	0.1177	0.7145	0.2396	0.1095	0.3490	0.0000	635.9962	635.9962	0.1128	0.0000	638.8161
2023	1.6067	2.5810	2.7179	6.9400e-003	0.5968	0.1004	0.6972	0.2396	0.0934	0.3330	0.0000	626.7104	626.7104	0.1111	0.0000	629.4876
2024	1.4880	1.3352	1.8017	4.5400e-003	0.2016	0.0488	0.2504	0.0542	0.0458	0.0999	0.0000	409.1812	409.1812	0.0550	0.0000	410.5561
<b>Maximum</b>	<b>1.6370</b>	<b>2.9781</b>	<b>2.8143</b>	<b>7.0400e-003</b>	<b>0.5968</b>	<b>0.1177</b>	<b>0.7145</b>	<b>0.2396</b>	<b>0.1095</b>	<b>0.3490</b>	<b>0.0000</b>	<b>635.9962</b>	<b>635.9962</b>	<b>0.1128</b>	<b>0.0000</b>	<b>638.8161</b>

Somis - Ventura County, Annual

**2.1 Overall Construction**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2480	2.4478	1.8458	4.6100e-003	0.2894	0.0992	0.3886	0.1134	0.0920	0.2054	0.0000	416.7364	416.7364	0.0804	0.0000	418.7453
2022	1.6370	2.9781	2.8143	7.0400e-003	0.3897	0.1177	0.5073	0.1404	0.1095	0.2498	0.0000	635.9958	635.9958	0.1128	0.0000	638.8156
2023	1.6067	2.5810	2.7179	6.9400e-003	0.3897	0.1004	0.4901	0.1404	0.0934	0.2338	0.0000	626.7100	626.7100	0.1111	0.0000	629.4872
2024	1.4880	1.3352	1.8017	4.5400e-003	0.2016	0.0488	0.2504	0.0542	0.0458	0.0999	0.0000	409.1810	409.1810	0.0550	0.0000	410.5559
<b>Maximum</b>	<b>1.6370</b>	<b>2.9781</b>	<b>2.8143</b>	<b>7.0400e-003</b>	<b>0.3897</b>	<b>0.1177</b>	<b>0.5073</b>	<b>0.1404</b>	<b>0.1095</b>	<b>0.2498</b>	<b>0.0000</b>	<b>635.9958</b>	<b>635.9958</b>	<b>0.1128</b>	<b>0.0000</b>	<b>638.8156</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>32.85</b>	<b>0.00</b>	<b>27.52</b>	<b>39.89</b>	<b>0.00</b>	<b>27.39</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	1.7728	1.7728
2	10-1-2021	12-31-2021	0.9139	0.9139
3	1-1-2022	3-31-2022	1.6243	1.6243
4	4-1-2022	6-30-2022	1.1601	1.1601
5	7-1-2022	9-30-2022	1.7732	1.7732
6	10-1-2022	12-31-2022	1.0758	1.0758
7	1-1-2023	3-31-2023	1.4348	1.4348
8	4-1-2023	6-30-2023	0.9965	0.9965

Somis - Ventura County, Annual

9	7-1-2023	9-30-2023	1.7388	1.7388
10	10-1-2023	12-31-2023	1.1623	1.1623
11	1-1-2024	3-31-2024	0.6859	0.6859
12	4-1-2024	6-30-2024	0.6442	0.6442
13	7-1-2024	9-30-2024	1.4808	1.4808
		Highest	1.7732	1.7732

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1407	0.0308	2.6720	1.4000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	4.3781	4.3781	4.1900e-003	0.0000	4.4828
Energy	0.0248	0.2117	0.0901	1.3500e-003		0.0171	0.0171		0.0171	0.0171	0.0000	604.1149	604.1149	0.0196	7.8800e-003	606.9521
Mobile	0.5558	2.1435	7.1117	0.0273	2.7555	0.0208	2.7763	0.7369	0.0193	0.7562	0.0000	2,510.1964	2,510.1964	0.0946	0.0000	2,512.5604
Stationary	4.2700e-003	0.0119	0.0109	2.0000e-005		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	1.9802	1.9802	2.8000e-004	0.0000	1.9871
Waste						0.0000	0.0000		0.0000	0.0000	33.6153	0.0000	33.6153	1.9866	0.0000	83.2805
Water						0.0000	0.0000		0.0000	0.0000	7.4413	113.0196	120.4610	0.7690	0.0191	145.3809
<b>Total</b>	<b>1.7255</b>	<b>2.3979</b>	<b>9.8846</b>	<b>0.0288</b>	<b>2.7555</b>	<b>0.0534</b>	<b>2.8089</b>	<b>0.7369</b>	<b>0.0519</b>	<b>0.7888</b>	<b>41.0566</b>	<b>3,233.6892</b>	<b>3,274.7458</b>	<b>2.8742</b>	<b>0.0270</b>	<b>3,354.6439</b>



Somis - Ventura County, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1407	0.0308	2.6720	1.4000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	4.3781	4.3781	4.1900e-003	0.0000	4.4828
Energy	0.0248	0.2117	0.0901	1.3500e-003		0.0171	0.0171		0.0171	0.0171	0.0000	604.1149	604.1149	0.0196	7.8800e-003	606.9521
Mobile	0.5482	2.0991	6.8919	0.0262	2.6453	0.0201	2.6654	0.7075	0.0186	0.7261	0.0000	2,415.1006	2,415.1006	0.0915	0.0000	2,417.3887
Stationary	4.2700e-003	0.0119	0.0109	2.0000e-005		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	1.9802	1.9802	2.8000e-004	0.0000	1.9871
Waste						0.0000	0.0000		0.0000	0.0000	33.6153	0.0000	33.6153	1.9866	0.0000	83.2805
Water						0.0000	0.0000		0.0000	0.0000	5.9531	98.3218	104.2749	0.6155	0.0154	124.2412
<b>Total</b>	<b>1.7179</b>	<b>2.3534</b>	<b>9.6648</b>	<b>0.0277</b>	<b>2.6453</b>	<b>0.0527</b>	<b>2.6979</b>	<b>0.7075</b>	<b>0.0512</b>	<b>0.7587</b>	<b>39.5684</b>	<b>3,123.8956</b>	<b>3,163.4639</b>	<b>2.7177</b>	<b>0.0232</b>	<b>3,238.3324</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.44</b>	<b>1.85</b>	<b>2.22</b>	<b>3.61</b>	<b>4.00</b>	<b>1.37</b>	<b>3.95</b>	<b>4.00</b>	<b>1.31</b>	<b>3.82</b>	<b>3.62</b>	<b>3.40</b>	<b>3.40</b>	<b>5.45</b>	<b>13.89</b>	<b>3.47</b>

**3.0 Construction Detail**

**Construction Phase**

Somis - Ventura County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation - Phase I	Site Preparation	7/1/2021	7/28/2021	5	20	
2	Grading - Phase I	Grading	7/29/2021	9/29/2021	5	45	
3	Building Construction - Phase I	Building Construction	9/30/2021	4/22/2022	5	147	
4	Paving - Phase I	Paving	4/23/2022	6/10/2022	5	35	
5	Architectural Coating - Phase I	Architectural Coating	6/11/2022	7/29/2022	5	35	
6	Site Preparation - Phase II	Site Preparation	7/30/2022	8/26/2022	5	20	
7	Grading - Phase II	Grading	8/27/2022	10/28/2022	5	45	
8	Building Construction - Phase II	Building Construction	10/29/2022	5/23/2023	5	147	
9	Paving - Phase II	Paving	5/24/2023	7/11/2023	5	35	
10	Architectural Coating - Phase II	Architectural Coating	7/12/2023	8/29/2023	5	35	
11	Site Preparation - Phase III	Site Preparation	8/30/2023	9/26/2023	5	20	
12	Grading - Phase III	Grading	9/27/2023	11/28/2023	5	45	
13	Building Construction - Phase III	Building Construction	11/29/2023	6/20/2024	5	147	
14	Paving - Phase III	Paving	6/21/2024	8/8/2024	5	35	
15	Architectural Coating - Phase III	Architectural Coating	8/9/2024	9/26/2024	5	35	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 6.16**

**Residential Indoor: 463,749; Residential Outdoor: 154,583; Non-Residential Indoor: 9,795; Non-Residential Outdoor: 3,265; Striped Parking Area: 9,944 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation - Phase I	Rubber Tired Dozers	3	8.00	247	0.40

Somis - Ventura County, Annual

Site Preparation - Phase I	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase I	Excavators	2	8.00	158	0.38
Grading - Phase I	Graders	1	8.00	187	0.41
Grading - Phase I	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase I	Scrapers	2	8.00	367	0.48
Grading - Phase I	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase I	Cranes	1	7.00	231	0.29
Building Construction - Phase I	Forklifts	3	8.00	89	0.20
Building Construction - Phase I	Generator Sets	1	8.00	84	0.74
Building Construction - Phase I	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase I	Welders	1	8.00	46	0.45
Paving - Phase I	Pavers	2	8.00	130	0.42
Paving - Phase I	Paving Equipment	2	8.00	132	0.36
Paving - Phase I	Rollers	2	8.00	80	0.38
Architectural Coating - Phase I	Air Compressors	1	6.00	78	0.48
Site Preparation - Phase II	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase II	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase II	Excavators	2	8.00	158	0.38
Grading - Phase II	Graders	1	8.00	187	0.41
Grading - Phase II	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase II	Scrapers	2	8.00	367	0.48
Grading - Phase II	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase II	Cranes	1	7.00	231	0.29
Building Construction - Phase II	Forklifts	3	8.00	89	0.20
Building Construction - Phase II	Generator Sets	1	8.00	84	0.74
Building Construction - Phase II	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase II	Welders	1	8.00	46	0.45

Somis - Ventura County, Annual

Paving - Phase II	Pavers	2	8.00	130	0.42
Paving - Phase II	Paving Equipment	2	8.00	132	0.36
Paving - Phase II	Rollers	2	8.00	80	0.38
Architectural Coating - Phase II	Air Compressors	1	6.00	78	0.48
Site Preparation - Phase III	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase III	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase III	Excavators	2	8.00	158	0.38
Grading - Phase III	Graders	1	8.00	187	0.41
Grading - Phase III	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase III	Scrapers	2	8.00	367	0.48
Grading - Phase III	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction - Phase III	Cranes	1	7.00	231	0.29
Building Construction - Phase III	Forklifts	3	8.00	89	0.20
Building Construction - Phase III	Generator Sets	1	8.00	84	0.74
Building Construction - Phase III	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase III	Welders	1	8.00	46	0.45
Paving - Phase III	Pavers	2	8.00	130	0.42
Paving - Phase III	Paving Equipment	2	8.00	132	0.36
Paving - Phase III	Rollers	2	8.00	80	0.38
Architectural Coating - Phase III	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Somis - Ventura County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation - Phase I	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase I	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase I	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase I	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase I	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase II	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase II	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase II	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase II	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase II	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase III	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase III	8	20.00	0.00	1,400.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase III	9	327.00	65.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase III	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase III	1	65.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Somis - Ventura County, Annual

**3.2 Site Preparation - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
<b>Total</b>	<b>0.0389</b>	<b>0.4050</b>	<b>0.2115</b>	<b>3.8000e-004</b>	<b>0.1807</b>	<b>0.0204</b>	<b>0.2011</b>	<b>0.0993</b>	<b>0.0188</b>	<b>0.1181</b>	<b>0.0000</b>	<b>33.4357</b>	<b>33.4357</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.0000e-004	4.4300e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.2061	1.2061	3.0000e-005	0.0000	1.2069
<b>Total</b>	<b>6.2000e-004</b>	<b>4.0000e-004</b>	<b>4.4300e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>1.0000e-005</b>	<b>1.4600e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2061</b>	<b>1.2061</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2069</b>

Somis - Ventura County, Annual

**3.2 Site Preparation - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
<b>Total</b>	<b>0.0389</b>	<b>0.4050</b>	<b>0.2115</b>	<b>3.8000e-004</b>	<b>0.0813</b>	<b>0.0204</b>	<b>0.1017</b>	<b>0.0447</b>	<b>0.0188</b>	<b>0.0635</b>	<b>0.0000</b>	<b>33.4357</b>	<b>33.4357</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7060</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.0000e-004	4.4300e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.2061	1.2061	3.0000e-005	0.0000	1.2069
<b>Total</b>	<b>6.2000e-004</b>	<b>4.0000e-004</b>	<b>4.4300e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>1.0000e-005</b>	<b>1.4600e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2061</b>	<b>1.2061</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2069</b>

Somis - Ventura County, Annual

**3.3 Grading - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1959	0.0000	0.1959	0.0810	0.0000	0.0810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0943	1.0440	0.6948	1.4000e-003		0.0447	0.0447		0.0411	0.0411	0.0000	122.6137	122.6137	0.0397	0.0000	123.6051
<b>Total</b>	<b>0.0943</b>	<b>1.0440</b>	<b>0.6948</b>	<b>1.4000e-003</b>	<b>0.1959</b>	<b>0.0447</b>	<b>0.2406</b>	<b>0.0810</b>	<b>0.0411</b>	<b>0.1221</b>	<b>0.0000</b>	<b>122.6137</b>	<b>122.6137</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6051</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.1766	0.0417	5.2000e-004	0.0120	7.0000e-004	0.0127	3.2900e-003	6.7000e-004	3.9600e-003	0.0000	51.5869	51.5869	4.9100e-003	0.0000	51.7098
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5600e-003	1.0100e-003	0.0111	3.0000e-005	3.6300e-003	3.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.9000e-004	0.0000	3.0153	3.0153	8.0000e-005	0.0000	3.0172
<b>Total</b>	<b>6.3800e-003</b>	<b>0.1776</b>	<b>0.0528</b>	<b>5.5000e-004</b>	<b>0.0156</b>	<b>7.3000e-004</b>	<b>0.0164</b>	<b>4.2500e-003</b>	<b>6.9000e-004</b>	<b>4.9500e-003</b>	<b>0.0000</b>	<b>54.6022</b>	<b>54.6022</b>	<b>4.9900e-003</b>	<b>0.0000</b>	<b>54.7270</b>



Somis - Ventura County, Annual

**3.3 Grading - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0882	0.0000	0.0882	0.0365	0.0000	0.0365	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0943	1.0440	0.6948	1.4000e-003		0.0447	0.0447		0.0411	0.0411	0.0000	122.6136	122.6136	0.0397	0.0000	123.6050
<b>Total</b>	<b>0.0943</b>	<b>1.0440</b>	<b>0.6948</b>	<b>1.4000e-003</b>	<b>0.0882</b>	<b>0.0447</b>	<b>0.1328</b>	<b>0.0365</b>	<b>0.0411</b>	<b>0.0776</b>	<b>0.0000</b>	<b>122.6136</b>	<b>122.6136</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6050</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.1766	0.0417	5.2000e-004	0.0120	7.0000e-004	0.0127	3.2900e-003	6.7000e-004	3.9600e-003	0.0000	51.5869	51.5869	4.9100e-003	0.0000	51.7098
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5600e-003	1.0100e-003	0.0111	3.0000e-005	3.6300e-003	3.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.9000e-004	0.0000	3.0153	3.0153	8.0000e-005	0.0000	3.0172
<b>Total</b>	<b>6.3800e-003</b>	<b>0.1776</b>	<b>0.0528</b>	<b>5.5000e-004</b>	<b>0.0156</b>	<b>7.3000e-004</b>	<b>0.0164</b>	<b>4.2500e-003</b>	<b>6.9000e-004</b>	<b>4.9500e-003</b>	<b>0.0000</b>	<b>54.6022</b>	<b>54.6022</b>	<b>4.9900e-003</b>	<b>0.0000</b>	<b>54.7270</b>

Somis - Ventura County, Annual

**3.4 Building Construction - Phase I - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0637	0.5840	0.5553	9.0000e-004		0.0321	0.0321		0.0302	0.0302	0.0000	77.5985	77.5985	0.0187	0.0000	78.0665
<b>Total</b>	<b>0.0637</b>	<b>0.5840</b>	<b>0.5553</b>	<b>9.0000e-004</b>		<b>0.0321</b>	<b>0.0321</b>		<b>0.0302</b>	<b>0.0302</b>	<b>0.0000</b>	<b>77.5985</b>	<b>77.5985</b>	<b>0.0187</b>	<b>0.0000</b>	<b>78.0665</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2800e-003	0.2124	0.0572	5.5000e-004	0.0145	6.0000e-004	0.0151	4.1800e-003	5.7000e-004	4.7500e-003	0.0000	53.8780	53.8780	4.2800e-003	0.0000	53.9851
Worker	0.0379	0.0245	0.2698	8.1000e-004	0.0883	6.2000e-004	0.0890	0.0235	5.7000e-004	0.0240	0.0000	73.4024	73.4024	1.8600e-003	0.0000	73.4489
<b>Total</b>	<b>0.0442</b>	<b>0.2369</b>	<b>0.3270</b>	<b>1.3600e-003</b>	<b>0.1028</b>	<b>1.2200e-003</b>	<b>0.1041</b>	<b>0.0276</b>	<b>1.1400e-003</b>	<b>0.0288</b>	<b>0.0000</b>	<b>127.2805</b>	<b>127.2805</b>	<b>6.1400e-003</b>	<b>0.0000</b>	<b>127.4340</b>

Somis - Ventura County, Annual

**3.4 Building Construction - Phase I - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0637	0.5840	0.5553	9.0000e-004		0.0321	0.0321		0.0302	0.0302	0.0000	77.5984	77.5984	0.0187	0.0000	78.0664
<b>Total</b>	<b>0.0637</b>	<b>0.5840</b>	<b>0.5553</b>	<b>9.0000e-004</b>		<b>0.0321</b>	<b>0.0321</b>		<b>0.0302</b>	<b>0.0302</b>	<b>0.0000</b>	<b>77.5984</b>	<b>77.5984</b>	<b>0.0187</b>	<b>0.0000</b>	<b>78.0664</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2800e-003	0.2124	0.0572	5.5000e-004	0.0145	6.0000e-004	0.0151	4.1800e-003	5.7000e-004	4.7500e-003	0.0000	53.8780	53.8780	4.2800e-003	0.0000	53.9851
Worker	0.0379	0.0245	0.2698	8.1000e-004	0.0883	6.2000e-004	0.0890	0.0235	5.7000e-004	0.0240	0.0000	73.4024	73.4024	1.8600e-003	0.0000	73.4489
<b>Total</b>	<b>0.0442</b>	<b>0.2369</b>	<b>0.3270</b>	<b>1.3600e-003</b>	<b>0.1028</b>	<b>1.2200e-003</b>	<b>0.1041</b>	<b>0.0276</b>	<b>1.1400e-003</b>	<b>0.0288</b>	<b>0.0000</b>	<b>127.2805</b>	<b>127.2805</b>	<b>6.1400e-003</b>	<b>0.0000</b>	<b>127.4340</b>

Somis - Ventura County, Annual

**3.4 Building Construction - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0683	0.6246	0.6545	1.0800e-003		0.0324	0.0324		0.0305	0.0305	0.0000	92.6901	92.6901	0.0222	0.0000	93.2453
<b>Total</b>	<b>0.0683</b>	<b>0.6246</b>	<b>0.6545</b>	<b>1.0800e-003</b>		<b>0.0324</b>	<b>0.0324</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>92.6901</b>	<b>92.6901</b>	<b>0.0222</b>	<b>0.0000</b>	<b>93.2453</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9700e-003	0.2384	0.0647	6.5000e-004	0.0173	6.2000e-004	0.0179	4.9900e-003	5.9000e-004	5.5800e-003	0.0000	63.7356	63.7356	4.9200e-003	0.0000	63.8587
Worker	0.0426	0.0264	0.2978	9.3000e-004	0.1055	7.3000e-004	0.1062	0.0280	6.7000e-004	0.0287	0.0000	84.4244	84.4244	2.0000e-003	0.0000	84.4745
<b>Total</b>	<b>0.0495</b>	<b>0.2648</b>	<b>0.3625</b>	<b>1.5800e-003</b>	<b>0.1228</b>	<b>1.3500e-003</b>	<b>0.1241</b>	<b>0.0330</b>	<b>1.2600e-003</b>	<b>0.0343</b>	<b>0.0000</b>	<b>148.1600</b>	<b>148.1600</b>	<b>6.9200e-003</b>	<b>0.0000</b>	<b>148.3332</b>

Somis - Ventura County, Annual

**3.4 Building Construction - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0683	0.6246	0.6545	1.0800e-003		0.0324	0.0324		0.0305	0.0305	0.0000	92.6900	92.6900	0.0222	0.0000	93.2451
<b>Total</b>	<b>0.0683</b>	<b>0.6246</b>	<b>0.6545</b>	<b>1.0800e-003</b>		<b>0.0324</b>	<b>0.0324</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>92.6900</b>	<b>92.6900</b>	<b>0.0222</b>	<b>0.0000</b>	<b>93.2451</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9700e-003	0.2384	0.0647	6.5000e-004	0.0173	6.2000e-004	0.0179	4.9900e-003	5.9000e-004	5.5800e-003	0.0000	63.7356	63.7356	4.9200e-003	0.0000	63.8587
Worker	0.0426	0.0264	0.2978	9.3000e-004	0.1055	7.3000e-004	0.1062	0.0280	6.7000e-004	0.0287	0.0000	84.4244	84.4244	2.0000e-003	0.0000	84.4745
<b>Total</b>	<b>0.0495</b>	<b>0.2648</b>	<b>0.3625</b>	<b>1.5800e-003</b>	<b>0.1228</b>	<b>1.3500e-003</b>	<b>0.1241</b>	<b>0.0330</b>	<b>1.2600e-003</b>	<b>0.0343</b>	<b>0.0000</b>	<b>148.1600</b>	<b>148.1600</b>	<b>6.9200e-003</b>	<b>0.0000</b>	<b>148.3332</b>

Somis - Ventura County, Annual

**3.5 Paving - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1947	0.2552	4.0000e-004		9.9400e-003	9.9400e-003		9.1400e-003	9.1400e-003	0.0000	35.0482	35.0482	0.0113	0.0000	35.3316
Paving	8.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0274</b>	<b>0.1947</b>	<b>0.2552</b>	<b>4.0000e-004</b>		<b>9.9400e-003</b>	<b>9.9400e-003</b>		<b>9.1400e-003</b>	<b>9.1400e-003</b>	<b>0.0000</b>	<b>35.0482</b>	<b>35.0482</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3316</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.3000e-004	5.9800e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.6943	1.6943	4.0000e-005	0.0000	1.6953
<b>Total</b>	<b>8.5000e-004</b>	<b>5.3000e-004</b>	<b>5.9800e-003</b>	<b>2.0000e-005</b>	<b>2.1200e-003</b>	<b>1.0000e-005</b>	<b>2.1300e-003</b>	<b>5.6000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.6943</b>	<b>1.6943</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6953</b>

Somis - Ventura County, Annual

**3.5 Paving - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1947	0.2552	4.0000e-004		9.9400e-003	9.9400e-003		9.1400e-003	9.1400e-003	0.0000	35.0482	35.0482	0.0113	0.0000	35.3316
Paving	8.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0274</b>	<b>0.1947</b>	<b>0.2552</b>	<b>4.0000e-004</b>		<b>9.9400e-003</b>	<b>9.9400e-003</b>		<b>9.1400e-003</b>	<b>9.1400e-003</b>	<b>0.0000</b>	<b>35.0482</b>	<b>35.0482</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3316</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.3000e-004	5.9800e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.6943	1.6943	4.0000e-005	0.0000	1.6953
<b>Total</b>	<b>8.5000e-004</b>	<b>5.3000e-004</b>	<b>5.9800e-003</b>	<b>2.0000e-005</b>	<b>2.1200e-003</b>	<b>1.0000e-005</b>	<b>2.1300e-003</b>	<b>5.6000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.6943</b>	<b>1.6943</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6953</b>

Somis - Ventura County, Annual

**3.6 Architectural Coating - Phase I - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5800e-003	0.0247	0.0317	5.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4682	4.4682	2.9000e-004	0.0000	4.4755
<b>Total</b>	<b>1.3012</b>	<b>0.0247</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>1.4300e-003</b>	<b>1.4300e-003</b>		<b>1.4300e-003</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>4.4755</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-003	2.3000e-003	0.0259	8.0000e-005	9.1700e-003	6.0000e-005	9.2400e-003	2.4400e-003	6.0000e-005	2.4900e-003	0.0000	7.3420	7.3420	1.7000e-004	0.0000	7.3463
<b>Total</b>	<b>3.7000e-003</b>	<b>2.3000e-003</b>	<b>0.0259</b>	<b>8.0000e-005</b>	<b>9.1700e-003</b>	<b>6.0000e-005</b>	<b>9.2400e-003</b>	<b>2.4400e-003</b>	<b>6.0000e-005</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>7.3420</b>	<b>7.3420</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>7.3463</b>



Somis - Ventura County, Annual

**3.6 Architectural Coating - Phase I - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5800e-003	0.0247	0.0317	5.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4682	4.4682	2.9000e-004	0.0000	4.4755
<b>Total</b>	<b>1.3012</b>	<b>0.0247</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>1.4300e-003</b>	<b>1.4300e-003</b>		<b>1.4300e-003</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>4.4755</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-003	2.3000e-003	0.0259	8.0000e-005	9.1700e-003	6.0000e-005	9.2400e-003	2.4400e-003	6.0000e-005	2.4900e-003	0.0000	7.3420	7.3420	1.7000e-004	0.0000	7.3463
<b>Total</b>	<b>3.7000e-003</b>	<b>2.3000e-003</b>	<b>0.0259</b>	<b>8.0000e-005</b>	<b>9.1700e-003</b>	<b>6.0000e-005</b>	<b>9.2400e-003</b>	<b>2.4400e-003</b>	<b>6.0000e-005</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>7.3420</b>	<b>7.3420</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>7.3463</b>

Somis - Ventura County, Annual

**3.7 Site Preparation - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3308	0.1970	3.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	33.4394	33.4394	0.0108	0.0000	33.7098
<b>Total</b>	<b>0.0317</b>	<b>0.3308</b>	<b>0.1970</b>	<b>3.8000e-004</b>	<b>0.1807</b>	<b>0.0161</b>	<b>0.1968</b>	<b>0.0993</b>	<b>0.0148</b>	<b>0.1142</b>	<b>0.0000</b>	<b>33.4394</b>	<b>33.4394</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7098</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	3.6000e-004	4.1000e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1618	1.1618	3.0000e-005	0.0000	1.1625
<b>Total</b>	<b>5.9000e-004</b>	<b>3.6000e-004</b>	<b>4.1000e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>1.0000e-005</b>	<b>1.4600e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.1618</b>	<b>1.1618</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1625</b>

Somis - Ventura County, Annual

**3.7 Site Preparation - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3308	0.1970	3.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	33.4394	33.4394	0.0108	0.0000	33.7097
<b>Total</b>	<b>0.0317</b>	<b>0.3308</b>	<b>0.1970</b>	<b>3.8000e-004</b>	<b>0.0813</b>	<b>0.0161</b>	<b>0.0974</b>	<b>0.0447</b>	<b>0.0148</b>	<b>0.0595</b>	<b>0.0000</b>	<b>33.4394</b>	<b>33.4394</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7097</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	3.6000e-004	4.1000e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1618	1.1618	3.0000e-005	0.0000	1.1625
<b>Total</b>	<b>5.9000e-004</b>	<b>3.6000e-004</b>	<b>4.1000e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>1.0000e-005</b>	<b>1.4600e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.1618</b>	<b>1.1618</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1625</b>

Somis - Ventura County, Annual

**3.8 Grading - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1959	0.0000	0.1959	0.0810	0.0000	0.0810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0816	0.8740	0.6534	1.4000e-003		0.0368	0.0368		0.0338	0.0338	0.0000	122.7029	122.7029	0.0397	0.0000	123.6950
<b>Total</b>	<b>0.0816</b>	<b>0.8740</b>	<b>0.6534</b>	<b>1.4000e-003</b>	<b>0.1959</b>	<b>0.0368</b>	<b>0.2327</b>	<b>0.0810</b>	<b>0.0338</b>	<b>0.1149</b>	<b>0.0000</b>	<b>122.7029</b>	<b>122.7029</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6950</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5300e-003	0.1602	0.0416	5.1000e-004	0.0120	5.9000e-004	0.0126	3.2900e-003	5.7000e-004	3.8600e-003	0.0000	50.9068	50.9068	4.8300e-003	0.0000	51.0276
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4600e-003	9.1000e-004	0.0102	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.9000e-004	0.0000	2.9045	2.9045	7.0000e-005	0.0000	2.9062
<b>Total</b>	<b>5.9900e-003</b>	<b>0.1611</b>	<b>0.0519</b>	<b>5.4000e-004</b>	<b>0.0156</b>	<b>6.1000e-004</b>	<b>0.0162</b>	<b>4.2500e-003</b>	<b>5.9000e-004</b>	<b>4.8500e-003</b>	<b>0.0000</b>	<b>53.8113</b>	<b>53.8113</b>	<b>4.9000e-003</b>	<b>0.0000</b>	<b>53.9338</b>

Somis - Ventura County, Annual

**3.8 Grading - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0882	0.0000	0.0882	0.0365	0.0000	0.0365	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0816	0.8740	0.6534	1.4000e-003		0.0368	0.0368		0.0338	0.0338	0.0000	122.7027	122.7027	0.0397	0.0000	123.6948
<b>Total</b>	<b>0.0816</b>	<b>0.8740</b>	<b>0.6534</b>	<b>1.4000e-003</b>	<b>0.0882</b>	<b>0.0368</b>	<b>0.1250</b>	<b>0.0365</b>	<b>0.0338</b>	<b>0.0703</b>	<b>0.0000</b>	<b>122.7027</b>	<b>122.7027</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6948</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5300e-003	0.1602	0.0416	5.1000e-004	0.0120	5.9000e-004	0.0126	3.2900e-003	5.7000e-004	3.8600e-003	0.0000	50.9068	50.9068	4.8300e-003	0.0000	51.0276
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4600e-003	9.1000e-004	0.0102	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.9000e-004	0.0000	2.9045	2.9045	7.0000e-005	0.0000	2.9062
<b>Total</b>	<b>5.9900e-003</b>	<b>0.1611</b>	<b>0.0519</b>	<b>5.4000e-004</b>	<b>0.0156</b>	<b>6.1000e-004</b>	<b>0.0162</b>	<b>4.2500e-003</b>	<b>5.9000e-004</b>	<b>4.8500e-003</b>	<b>0.0000</b>	<b>53.8113</b>	<b>53.8113</b>	<b>4.9000e-003</b>	<b>0.0000</b>	<b>53.9338</b>

Somis - Ventura County, Annual

**3.9 Building Construction - Phase II - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0384	0.3514	0.3682	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1382	52.1382	0.0125	0.0000	52.4505
<b>Total</b>	<b>0.0384</b>	<b>0.3514</b>	<b>0.3682</b>	<b>6.1000e-004</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>52.1382</b>	<b>52.1382</b>	<b>0.0125</b>	<b>0.0000</b>	<b>52.4505</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9200e-003	0.1341	0.0364	3.7000e-004	9.7400e-003	3.5000e-004	0.0101	2.8100e-003	3.3000e-004	3.1400e-003	0.0000	35.8513	35.8513	2.7700e-003	0.0000	35.9205
Worker	0.0239	0.0149	0.1675	5.3000e-004	0.0593	4.1000e-004	0.0597	0.0158	3.8000e-004	0.0161	0.0000	47.4887	47.4887	1.1300e-003	0.0000	47.5169
<b>Total</b>	<b>0.0279</b>	<b>0.1489</b>	<b>0.2039</b>	<b>9.0000e-004</b>	<b>0.0691</b>	<b>7.6000e-004</b>	<b>0.0698</b>	<b>0.0186</b>	<b>7.1000e-004</b>	<b>0.0193</b>	<b>0.0000</b>	<b>83.3400</b>	<b>83.3400</b>	<b>3.9000e-003</b>	<b>0.0000</b>	<b>83.4374</b>

Somis - Ventura County, Annual

**3.9 Building Construction - Phase II - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0384	0.3514	0.3682	6.1000e-004		0.0182	0.0182		0.0171	0.0171	0.0000	52.1381	52.1381	0.0125	0.0000	52.4504
<b>Total</b>	<b>0.0384</b>	<b>0.3514</b>	<b>0.3682</b>	<b>6.1000e-004</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>52.1381</b>	<b>52.1381</b>	<b>0.0125</b>	<b>0.0000</b>	<b>52.4504</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9200e-003	0.1341	0.0364	3.7000e-004	9.7400e-003	3.5000e-004	0.0101	2.8100e-003	3.3000e-004	3.1400e-003	0.0000	35.8513	35.8513	2.7700e-003	0.0000	35.9205
Worker	0.0239	0.0149	0.1675	5.3000e-004	0.0593	4.1000e-004	0.0597	0.0158	3.8000e-004	0.0161	0.0000	47.4887	47.4887	1.1300e-003	0.0000	47.5169
<b>Total</b>	<b>0.0279</b>	<b>0.1489</b>	<b>0.2039</b>	<b>9.0000e-004</b>	<b>0.0691</b>	<b>7.6000e-004</b>	<b>0.0698</b>	<b>0.0186</b>	<b>7.1000e-004</b>	<b>0.0193</b>	<b>0.0000</b>	<b>83.3400</b>	<b>83.3400</b>	<b>3.9000e-003</b>	<b>0.0000</b>	<b>83.4374</b>

Somis - Ventura County, Annual

**3.9 Building Construction - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0802	0.7336	0.8284	1.3700e-003		0.0357	0.0357		0.0336	0.0336	0.0000	118.2204	118.2204	0.0281	0.0000	118.9235
<b>Total</b>	<b>0.0802</b>	<b>0.7336</b>	<b>0.8284</b>	<b>1.3700e-003</b>		<b>0.0357</b>	<b>0.0357</b>		<b>0.0336</b>	<b>0.0336</b>	<b>0.0000</b>	<b>118.2204</b>	<b>118.2204</b>	<b>0.0281</b>	<b>0.0000</b>	<b>118.9235</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6000e-003	0.2311	0.0747	8.1000e-004	0.0221	3.0000e-004	0.0224	6.3700e-003	2.9000e-004	6.6500e-003	0.0000	79.4763	79.4763	5.6000e-003	0.0000	79.6164
Worker	0.0511	0.0304	0.3502	1.1400e-003	0.1345	9.0000e-004	0.1354	0.0357	8.3000e-004	0.0366	0.0000	103.5191	103.5191	2.3000e-003	0.0000	103.5766
<b>Total</b>	<b>0.0577</b>	<b>0.2615</b>	<b>0.4250</b>	<b>1.9500e-003</b>	<b>0.1565</b>	<b>1.2000e-003</b>	<b>0.1577</b>	<b>0.0421</b>	<b>1.1200e-003</b>	<b>0.0432</b>	<b>0.0000</b>	<b>182.9953</b>	<b>182.9953</b>	<b>7.9000e-003</b>	<b>0.0000</b>	<b>183.1930</b>



Somis - Ventura County, Annual

**3.9 Building Construction - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0802	0.7336	0.8284	1.3700e-003		0.0357	0.0357		0.0336	0.0336	0.0000	118.2203	118.2203	0.0281	0.0000	118.9234
<b>Total</b>	<b>0.0802</b>	<b>0.7336</b>	<b>0.8284</b>	<b>1.3700e-003</b>		<b>0.0357</b>	<b>0.0357</b>		<b>0.0336</b>	<b>0.0336</b>	<b>0.0000</b>	<b>118.2203</b>	<b>118.2203</b>	<b>0.0281</b>	<b>0.0000</b>	<b>118.9234</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6000e-003	0.2311	0.0747	8.1000e-004	0.0221	3.0000e-004	0.0224	6.3700e-003	2.9000e-004	6.6500e-003	0.0000	79.4763	79.4763	5.6000e-003	0.0000	79.6164
Worker	0.0511	0.0304	0.3502	1.1400e-003	0.1345	9.0000e-004	0.1354	0.0357	8.3000e-004	0.0366	0.0000	103.5191	103.5191	2.3000e-003	0.0000	103.5766
<b>Total</b>	<b>0.0577</b>	<b>0.2615</b>	<b>0.4250</b>	<b>1.9500e-003</b>	<b>0.1565</b>	<b>1.2000e-003</b>	<b>0.1577</b>	<b>0.0421</b>	<b>1.1200e-003</b>	<b>0.0432</b>	<b>0.0000</b>	<b>182.9953</b>	<b>182.9953</b>	<b>7.9000e-003</b>	<b>0.0000</b>	<b>183.1930</b>

Somis - Ventura County, Annual

**3.10 Paving - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1784	0.2552	4.0000e-004		8.9300e-003	8.9300e-003		8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304
Paving	8.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0261</b>	<b>0.1784</b>	<b>0.2552</b>	<b>4.0000e-004</b>		<b>8.9300e-003</b>	<b>8.9300e-003</b>		<b>8.2100e-003</b>	<b>8.2100e-003</b>	<b>0.0000</b>	<b>35.0470</b>	<b>35.0470</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3304</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.8000e-004	5.5100e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.6294	1.6294	4.0000e-005	0.0000	1.6303
<b>Total</b>	<b>8.0000e-004</b>	<b>4.8000e-004</b>	<b>5.5100e-003</b>	<b>2.0000e-005</b>	<b>2.1200e-003</b>	<b>1.0000e-005</b>	<b>2.1300e-003</b>	<b>5.6000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.6294</b>	<b>1.6294</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6303</b>

Somis - Ventura County, Annual

**3.10 Paving - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1784	0.2552	4.0000e-004		8.9300e-003	8.9300e-003		8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304
Paving	8.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0261</b>	<b>0.1784</b>	<b>0.2552</b>	<b>4.0000e-004</b>		<b>8.9300e-003</b>	<b>8.9300e-003</b>		<b>8.2100e-003</b>	<b>8.2100e-003</b>	<b>0.0000</b>	<b>35.0470</b>	<b>35.0470</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3304</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.8000e-004	5.5100e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.6294	1.6294	4.0000e-005	0.0000	1.6303
<b>Total</b>	<b>8.0000e-004</b>	<b>4.8000e-004</b>	<b>5.5100e-003</b>	<b>2.0000e-005</b>	<b>2.1200e-003</b>	<b>1.0000e-005</b>	<b>2.1300e-003</b>	<b>5.6000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.6294</b>	<b>1.6294</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6303</b>

Somis - Ventura County, Annual

**3.11 Architectural Coating - Phase II - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3500e-003	0.0228	0.0317	5.0000e-005		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	4.4682	4.4682	2.7000e-004	0.0000	4.4749
<b>Total</b>	<b>1.3009</b>	<b>0.0228</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>1.2400e-003</b>	<b>1.2400e-003</b>		<b>1.2400e-003</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>4.4749</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4900e-003	2.0800e-003	0.0239	8.0000e-005	9.1700e-003	6.0000e-005	9.2300e-003	2.4400e-003	6.0000e-005	2.4900e-003	0.0000	7.0608	7.0608	1.6000e-004	0.0000	7.0647
<b>Total</b>	<b>3.4900e-003</b>	<b>2.0800e-003</b>	<b>0.0239</b>	<b>8.0000e-005</b>	<b>9.1700e-003</b>	<b>6.0000e-005</b>	<b>9.2300e-003</b>	<b>2.4400e-003</b>	<b>6.0000e-005</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>7.0608</b>	<b>7.0608</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>7.0647</b>

Somis - Ventura County, Annual

**3.11 Architectural Coating - Phase II - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3500e-003	0.0228	0.0317	5.0000e-005		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	4.4682	4.4682	2.7000e-004	0.0000	4.4749
<b>Total</b>	<b>1.3009</b>	<b>0.0228</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>1.2400e-003</b>	<b>1.2400e-003</b>		<b>1.2400e-003</b>	<b>1.2400e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>4.4749</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4900e-003	2.0800e-003	0.0239	8.0000e-005	9.1700e-003	6.0000e-005	9.2300e-003	2.4400e-003	6.0000e-005	2.4900e-003	0.0000	7.0608	7.0608	1.6000e-004	0.0000	7.0647
<b>Total</b>	<b>3.4900e-003</b>	<b>2.0800e-003</b>	<b>0.0239</b>	<b>8.0000e-005</b>	<b>9.1700e-003</b>	<b>6.0000e-005</b>	<b>9.2300e-003</b>	<b>2.4400e-003</b>	<b>6.0000e-005</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>7.0608</b>	<b>7.0608</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>7.0647</b>

Somis - Ventura County, Annual

**3.12 Site Preparation - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2752	0.1824	3.8000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	33.4507	33.4507	0.0108	0.0000	33.7212
<b>Total</b>	<b>0.0266</b>	<b>0.2752</b>	<b>0.1824</b>	<b>3.8000e-004</b>	<b>0.1807</b>	<b>0.0127</b>	<b>0.1933</b>	<b>0.0993</b>	<b>0.0117</b>	<b>0.1110</b>	<b>0.0000</b>	<b>33.4507</b>	<b>33.4507</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7212</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.3000e-004	3.7800e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1173	1.1173	2.0000e-005	0.0000	1.1179
<b>Total</b>	<b>5.5000e-004</b>	<b>3.3000e-004</b>	<b>3.7800e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>1.0000e-005</b>	<b>1.4600e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.1173</b>	<b>1.1173</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.1179</b>

Somis - Ventura County, Annual

**3.12 Site Preparation - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2752	0.1824	3.8000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	33.4507	33.4507	0.0108	0.0000	33.7211
<b>Total</b>	<b>0.0266</b>	<b>0.2752</b>	<b>0.1824</b>	<b>3.8000e-004</b>	<b>0.0813</b>	<b>0.0127</b>	<b>0.0940</b>	<b>0.0447</b>	<b>0.0117</b>	<b>0.0563</b>	<b>0.0000</b>	<b>33.4507</b>	<b>33.4507</b>	<b>0.0108</b>	<b>0.0000</b>	<b>33.7211</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.3000e-004	3.7800e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1173	1.1173	2.0000e-005	0.0000	1.1179
<b>Total</b>	<b>5.5000e-004</b>	<b>3.3000e-004</b>	<b>3.7800e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>1.0000e-005</b>	<b>1.4600e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.1173</b>	<b>1.1173</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.1179</b>

Somis - Ventura County, Annual

**3.13 Grading - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1959	0.0000	0.1959	0.0810	0.0000	0.0810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0747	0.7766	0.6312	1.4000e-003		0.0321	0.0321		0.0295	0.0295	0.0000	122.7042	122.7042	0.0397	0.0000	123.6964
<b>Total</b>	<b>0.0747</b>	<b>0.7766</b>	<b>0.6312</b>	<b>1.4000e-003</b>	<b>0.1959</b>	<b>0.0321</b>	<b>0.2280</b>	<b>0.0810</b>	<b>0.0295</b>	<b>0.1105</b>	<b>0.0000</b>	<b>122.7042</b>	<b>122.7042</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6964</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0700e-003	0.1047	0.0388	4.9000e-004	0.0120	2.1000e-004	0.0122	3.2900e-003	2.1000e-004	3.5000e-003	0.0000	49.3025	49.3025	4.5500e-003	0.0000	49.4163
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	8.2000e-004	9.4500e-003	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.9000e-004	0.0000	2.7933	2.7933	6.0000e-005	0.0000	2.7948
<b>Total</b>	<b>4.4500e-003</b>	<b>0.1055</b>	<b>0.0482</b>	<b>5.2000e-004</b>	<b>0.0156</b>	<b>2.3000e-004</b>	<b>0.0159</b>	<b>4.2500e-003</b>	<b>2.3000e-004</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>52.0958</b>	<b>52.0958</b>	<b>4.6100e-003</b>	<b>0.0000</b>	<b>52.2111</b>



Somis - Ventura County, Annual

**3.13 Grading - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0882	0.0000	0.0882	0.0365	0.0000	0.0365	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0747	0.7766	0.6312	1.4000e-003		0.0321	0.0321		0.0295	0.0295	0.0000	122.7041	122.7041	0.0397	0.0000	123.6962
<b>Total</b>	<b>0.0747</b>	<b>0.7766</b>	<b>0.6312</b>	<b>1.4000e-003</b>	<b>0.0882</b>	<b>0.0321</b>	<b>0.1202</b>	<b>0.0365</b>	<b>0.0295</b>	<b>0.0660</b>	<b>0.0000</b>	<b>122.7041</b>	<b>122.7041</b>	<b>0.0397</b>	<b>0.0000</b>	<b>123.6962</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0700e-003	0.1047	0.0388	4.9000e-004	0.0120	2.1000e-004	0.0122	3.2900e-003	2.1000e-004	3.5000e-003	0.0000	49.3025	49.3025	4.5500e-003	0.0000	49.4163
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	8.2000e-004	9.4500e-003	3.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.9000e-004	0.0000	2.7933	2.7933	6.0000e-005	0.0000	2.7948
<b>Total</b>	<b>4.4500e-003</b>	<b>0.1055</b>	<b>0.0482</b>	<b>5.2000e-004</b>	<b>0.0156</b>	<b>2.3000e-004</b>	<b>0.0159</b>	<b>4.2500e-003</b>	<b>2.3000e-004</b>	<b>4.4900e-003</b>	<b>0.0000</b>	<b>52.0958</b>	<b>52.0958</b>	<b>4.6100e-003</b>	<b>0.0000</b>	<b>52.2111</b>

Somis - Ventura County, Annual

**3.14 Building Construction - Phase III - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1654	0.1868	3.1000e-004		8.0500e-003	8.0500e-003		7.5700e-003	7.5700e-003	0.0000	26.6576	26.6576	6.3400e-003	0.0000	26.8161
<b>Total</b>	<b>0.0181</b>	<b>0.1654</b>	<b>0.1868</b>	<b>3.1000e-004</b>		<b>8.0500e-003</b>	<b>8.0500e-003</b>		<b>7.5700e-003</b>	<b>7.5700e-003</b>	<b>0.0000</b>	<b>26.6576</b>	<b>26.6576</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>26.8161</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4900e-003	0.0521	0.0169	1.8000e-004	4.9800e-003	7.0000e-005	5.0400e-003	1.4400e-003	6.0000e-005	1.5000e-003	0.0000	17.9211	17.9211	1.2600e-003	0.0000	17.9527
Worker	0.0115	6.8600e-003	0.0790	2.6000e-004	0.0303	2.0000e-004	0.0305	8.0500e-003	1.9000e-004	8.2400e-003	0.0000	23.3425	23.3425	5.2000e-004	0.0000	23.3555
<b>Total</b>	<b>0.0130</b>	<b>0.0590</b>	<b>0.0958</b>	<b>4.4000e-004</b>	<b>0.0353</b>	<b>2.7000e-004</b>	<b>0.0356</b>	<b>9.4900e-003</b>	<b>2.5000e-004</b>	<b>9.7400e-003</b>	<b>0.0000</b>	<b>41.2637</b>	<b>41.2637</b>	<b>1.7800e-003</b>	<b>0.0000</b>	<b>41.3082</b>

Somis - Ventura County, Annual

**3.14 Building Construction - Phase III - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1654	0.1868	3.1000e-004		8.0500e-003	8.0500e-003		7.5700e-003	7.5700e-003	0.0000	26.6575	26.6575	6.3400e-003	0.0000	26.8161
<b>Total</b>	<b>0.0181</b>	<b>0.1654</b>	<b>0.1868</b>	<b>3.1000e-004</b>		<b>8.0500e-003</b>	<b>8.0500e-003</b>		<b>7.5700e-003</b>	<b>7.5700e-003</b>	<b>0.0000</b>	<b>26.6575</b>	<b>26.6575</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>26.8161</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4900e-003	0.0521	0.0169	1.8000e-004	4.9800e-003	7.0000e-005	5.0400e-003	1.4400e-003	6.0000e-005	1.5000e-003	0.0000	17.9211	17.9211	1.2600e-003	0.0000	17.9527
Worker	0.0115	6.8600e-003	0.0790	2.6000e-004	0.0303	2.0000e-004	0.0305	8.0500e-003	1.9000e-004	8.2400e-003	0.0000	23.3425	23.3425	5.2000e-004	0.0000	23.3555
<b>Total</b>	<b>0.0130</b>	<b>0.0590</b>	<b>0.0958</b>	<b>4.4000e-004</b>	<b>0.0353</b>	<b>2.7000e-004</b>	<b>0.0356</b>	<b>9.4900e-003</b>	<b>2.5000e-004</b>	<b>9.7400e-003</b>	<b>0.0000</b>	<b>41.2637</b>	<b>41.2637</b>	<b>1.7800e-003</b>	<b>0.0000</b>	<b>41.3082</b>

Somis - Ventura County, Annual

**3.14 Building Construction - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0912	0.8335	1.0023	1.6700e-003		0.0380	0.0380		0.0358	0.0358	0.0000	143.7464	143.7464	0.0340	0.0000	144.5962
<b>Total</b>	<b>0.0912</b>	<b>0.8335</b>	<b>1.0023</b>	<b>1.6700e-003</b>		<b>0.0380</b>	<b>0.0380</b>		<b>0.0358</b>	<b>0.0358</b>	<b>0.0000</b>	<b>143.7464</b>	<b>143.7464</b>	<b>0.0340</b>	<b>0.0000</b>	<b>144.5962</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7600e-003	0.2777	0.0885	9.8000e-004	0.0268	3.6000e-004	0.0272	7.7400e-003	3.4000e-004	8.0800e-003	0.0000	96.1437	96.1437	6.6900e-003	0.0000	96.3110
Worker	0.0588	0.0336	0.3959	1.3400e-003	0.1635	1.0800e-003	0.1646	0.0434	1.0000e-003	0.0444	0.0000	121.3938	121.3938	2.5500e-003	0.0000	121.4575
<b>Total</b>	<b>0.0666</b>	<b>0.3114</b>	<b>0.4844</b>	<b>2.3200e-003</b>	<b>0.1903</b>	<b>1.4400e-003</b>	<b>0.1918</b>	<b>0.0512</b>	<b>1.3400e-003</b>	<b>0.0525</b>	<b>0.0000</b>	<b>217.5374</b>	<b>217.5374</b>	<b>9.2400e-003</b>	<b>0.0000</b>	<b>217.7685</b>

Somis - Ventura County, Annual

**3.14 Building Construction - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0912	0.8335	1.0023	1.6700e-003		0.0380	0.0380		0.0358	0.0358	0.0000	143.7463	143.7463	0.0340	0.0000	144.5961
<b>Total</b>	<b>0.0912</b>	<b>0.8335</b>	<b>1.0023</b>	<b>1.6700e-003</b>		<b>0.0380</b>	<b>0.0380</b>		<b>0.0358</b>	<b>0.0358</b>	<b>0.0000</b>	<b>143.7463</b>	<b>143.7463</b>	<b>0.0340</b>	<b>0.0000</b>	<b>144.5961</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7600e-003	0.2777	0.0885	9.8000e-004	0.0268	3.6000e-004	0.0272	7.7400e-003	3.4000e-004	8.0800e-003	0.0000	96.1437	96.1437	6.6900e-003	0.0000	96.3110
Worker	0.0588	0.0336	0.3959	1.3400e-003	0.1635	1.0800e-003	0.1646	0.0434	1.0000e-003	0.0444	0.0000	121.3938	121.3938	2.5500e-003	0.0000	121.4575
<b>Total</b>	<b>0.0666</b>	<b>0.3114</b>	<b>0.4844</b>	<b>2.3200e-003</b>	<b>0.1903</b>	<b>1.4400e-003</b>	<b>0.1918</b>	<b>0.0512</b>	<b>1.3400e-003</b>	<b>0.0525</b>	<b>0.0000</b>	<b>217.5374</b>	<b>217.5374</b>	<b>9.2400e-003</b>	<b>0.0000</b>	<b>217.7685</b>

Somis - Ventura County, Annual

**3.15 Paving - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0173	0.1667	0.2560	4.0000e-004		8.2000e-003	8.2000e-003		7.5400e-003	7.5400e-003	0.0000	35.0464	35.0464	0.0113	0.0000	35.3298
Paving	8.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0254</b>	<b>0.1667</b>	<b>0.2560</b>	<b>4.0000e-004</b>		<b>8.2000e-003</b>	<b>8.2000e-003</b>		<b>7.5400e-003</b>	<b>7.5400e-003</b>	<b>0.0000</b>	<b>35.0464</b>	<b>35.0464</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3298</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	4.4000e-004	5.1300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.5718	1.5718	3.0000e-005	0.0000	1.5726
<b>Total</b>	<b>7.6000e-004</b>	<b>4.4000e-004</b>	<b>5.1300e-003</b>	<b>2.0000e-005</b>	<b>2.1200e-003</b>	<b>1.0000e-005</b>	<b>2.1300e-003</b>	<b>5.6000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.5718</b>	<b>1.5718</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.5726</b>

Somis - Ventura County, Annual

**3.15 Paving - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0173	0.1667	0.2560	4.0000e-004		8.2000e-003	8.2000e-003		7.5400e-003	7.5400e-003	0.0000	35.0464	35.0464	0.0113	0.0000	35.3298
Paving	8.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0254</b>	<b>0.1667</b>	<b>0.2560</b>	<b>4.0000e-004</b>		<b>8.2000e-003</b>	<b>8.2000e-003</b>		<b>7.5400e-003</b>	<b>7.5400e-003</b>	<b>0.0000</b>	<b>35.0464</b>	<b>35.0464</b>	<b>0.0113</b>	<b>0.0000</b>	<b>35.3298</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	4.4000e-004	5.1300e-003	2.0000e-005	2.1200e-003	1.0000e-005	2.1300e-003	5.6000e-004	1.0000e-005	5.8000e-004	0.0000	1.5718	1.5718	3.0000e-005	0.0000	1.5726
<b>Total</b>	<b>7.6000e-004</b>	<b>4.4000e-004</b>	<b>5.1300e-003</b>	<b>2.0000e-005</b>	<b>2.1200e-003</b>	<b>1.0000e-005</b>	<b>2.1300e-003</b>	<b>5.6000e-004</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>1.5718</b>	<b>1.5718</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.5726</b>

Somis - Ventura County, Annual

**3.16 Architectural Coating - Phase III - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
<b>Total</b>	<b>1.3007</b>	<b>0.0213</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>4.4745</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	1.8900e-003	0.0222	8.0000e-005	9.1700e-003	6.0000e-005	9.2300e-003	2.4400e-003	6.0000e-005	2.4900e-003	0.0000	6.8110	6.8110	1.4000e-004	0.0000	6.8145
<b>Total</b>	<b>3.3000e-003</b>	<b>1.8900e-003</b>	<b>0.0222</b>	<b>8.0000e-005</b>	<b>9.1700e-003</b>	<b>6.0000e-005</b>	<b>9.2300e-003</b>	<b>2.4400e-003</b>	<b>6.0000e-005</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>6.8110</b>	<b>6.8110</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>6.8145</b>



Somis - Ventura County, Annual

**3.16 Architectural Coating - Phase III - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2976					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0213	0.0317	5.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	4.4682	4.4682	2.5000e-004	0.0000	4.4745
<b>Total</b>	<b>1.3007</b>	<b>0.0213</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>		<b>1.0700e-003</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>4.4745</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	1.8900e-003	0.0222	8.0000e-005	9.1700e-003	6.0000e-005	9.2300e-003	2.4400e-003	6.0000e-005	2.4900e-003	0.0000	6.8110	6.8110	1.4000e-004	0.0000	6.8145
<b>Total</b>	<b>3.3000e-003</b>	<b>1.8900e-003</b>	<b>0.0222</b>	<b>8.0000e-005</b>	<b>9.1700e-003</b>	<b>6.0000e-005</b>	<b>9.2300e-003</b>	<b>2.4400e-003</b>	<b>6.0000e-005</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>6.8110</b>	<b>6.8110</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>6.8145</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Integrate Below Market Rate Housing

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5482	2.0991	6.8919	0.0262	2.6453	0.0201	2.6654	0.7075	0.0186	0.7261	0.0000	2,415.1006	2,415.1006	0.0915	0.0000	2,417.3887
Unmitigated	0.5558	2.1435	7.1117	0.0273	2.7555	0.0208	2.7763	0.7369	0.0193	0.7562	0.0000	2,510.1964	2,510.1964	0.0946	0.0000	2,512.5604

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,635.20	2,635.20	2635.20	7,281,249	6,989,999
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	2.00	2.00	2.00	4,975	4,776
<b>Total</b>	<b>2,637.20</b>	<b>2,637.20</b>	<b>2,637.20</b>	<b>7,286,223</b>	<b>6,994,775</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
User Defined Industrial	9.50	7.30	7.30	18.00	32.90	49.10	86	11	3

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293
Parking Lot	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293
User Defined Industrial	0.597457	0.040465	0.187858	0.105115	0.017041	0.006067	0.020072	0.018206	0.001182	0.001040	0.003816	0.000389	0.001293

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	358.9908	358.9908	0.0149	3.3800e-003	360.3713
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	358.9908	358.9908	0.0149	3.3800e-003	360.3713
NaturalGas Mitigated	0.0248	0.2117	0.0901	1.3500e-003		0.0171	0.0171		0.0171	0.0171	0.0000	245.1241	245.1241	4.7000e-003	4.4900e-003	246.5808
NaturalGas Unmitigated	0.0248	0.2117	0.0901	1.3500e-003		0.0171	0.0171		0.0171	0.0171	0.0000	245.1241	245.1241	4.7000e-003	4.4900e-003	246.5808

Somis - Ventura County, Annual

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.59345e+006	0.0248	0.2117	0.0901	1.3500e-003		0.0171	0.0171		0.0171	0.0171	0.0000	245.1241	245.1241	4.7000e-003	4.4900e-003	246.5808
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0248</b>	<b>0.2117</b>	<b>0.0901</b>	<b>1.3500e-003</b>		<b>0.0171</b>	<b>0.0171</b>		<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>245.1241</b>	<b>245.1241</b>	<b>4.7000e-003</b>	<b>4.4900e-003</b>	<b>246.5808</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.59345e+006	0.0248	0.2117	0.0901	1.3500e-003		0.0171	0.0171		0.0171	0.0171	0.0000	245.1241	245.1241	4.7000e-003	4.4900e-003	246.5808
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0248</b>	<b>0.2117</b>	<b>0.0901</b>	<b>1.3500e-003</b>		<b>0.0171</b>	<b>0.0171</b>		<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>245.1241</b>	<b>245.1241</b>	<b>4.7000e-003</b>	<b>4.4900e-003</b>	<b>246.5808</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.43392e+006	345.0330	0.0143	3.2500e-003	346.3599
Parking Lot	58007.2	13.9578	5.8000e-004	1.3000e-004	14.0115
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>358.9908</b>	<b>0.0149</b>	<b>3.3800e-003</b>	<b>360.3713</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.43392e+006	345.0330	0.0143	3.2500e-003	346.3599
Parking Lot	58007.2	13.9578	5.8000e-004	1.3000e-004	14.0115
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>358.9908</b>	<b>0.0149</b>	<b>3.3800e-003</b>	<b>360.3713</b>

**6.0 Area Detail**

Somis - Ventura County, Annual

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1407	0.0308	2.6720	1.4000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	4.3781	4.3781	4.1900e-003	0.0000	4.4828
Unmitigated	1.1407	0.0308	2.6720	1.4000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	4.3781	4.3781	4.1900e-003	0.0000	4.4828

Somis - Ventura County, Annual

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0803	0.0308	2.6720	1.4000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	4.3781	4.3781	4.1900e-003	0.0000	4.4828
<b>Total</b>	<b>1.1407</b>	<b>0.0308</b>	<b>2.6720</b>	<b>1.4000e-004</b>		<b>0.0148</b>	<b>0.0148</b>		<b>0.0148</b>	<b>0.0148</b>	<b>0.0000</b>	<b>4.3781</b>	<b>4.3781</b>	<b>4.1900e-003</b>	<b>0.0000</b>	<b>4.4828</b>

Somis - Ventura County, Annual

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1298					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0803	0.0308	2.6720	1.4000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	4.3781	4.3781	4.1900e-003	0.0000	4.4828
<b>Total</b>	<b>1.1407</b>	<b>0.0308</b>	<b>2.6720</b>	<b>1.4000e-004</b>		<b>0.0148</b>	<b>0.0148</b>		<b>0.0148</b>	<b>0.0148</b>	<b>0.0000</b>	<b>4.3781</b>	<b>4.3781</b>	<b>4.1900e-003</b>	<b>0.0000</b>	<b>4.4828</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Use Water Efficient Irrigation System



Somis - Ventura County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	104.2749	0.6155	0.0154	124.2412
Unmitigated	120.4610	0.7690	0.0191	145.3809

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	23.4554 / 14.7871	120.4610	0.7690	0.0191	145.3809
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>120.4610</b>	<b>0.7690</b>	<b>0.0191</b>	<b>145.3809</b>

Somis - Ventura County, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	18.7644 / 14.7871	104.2749	0.6155	0.0154	124.2412
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>104.2749</b>	<b>0.6155</b>	<b>0.0154</b>	<b>124.2412</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Somis - Ventura County, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.6153	1.9866	0.0000	83.2805
Unmitigated	33.6153	1.9866	0.0000	83.2805

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	165.6	33.6153	1.9866	0.0000	83.2805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>33.6153</b>	<b>1.9866</b>	<b>0.0000</b>	<b>83.2805</b>

Somis - Ventura County, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	165.6	33.6153	1.9866	0.0000	83.2805
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>33.6153</b>	<b>1.9866</b>	<b>0.0000</b>	<b>83.2805</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	26	200	0.73	Diesel

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Somis - Ventura County, Annual

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (175 - 300 HP)	4.2700e-003	0.0119	0.0109	2.0000e-005		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	1.9802	1.9802	2.8000e-004	0.0000	1.9871
<b>Total</b>	<b>4.2700e-003</b>	<b>0.0119</b>	<b>0.0109</b>	<b>2.0000e-005</b>		<b>6.3000e-004</b>	<b>6.3000e-004</b>		<b>6.3000e-004</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>1.9802</b>	<b>1.9802</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.9871</b>

**11.0 Vegetation**

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# Appendix D

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Initial Study Biological Assessment (ISBA)

# Initial Study Biological Assessment

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**Original ISBA Report Date:** September 9, 2020

**Case Number:** PL19-0046

**Permit Type(s):** Planned Development Permit (PDP); Conditional Use Permit (CUP); and Tentative Parcel Map (TPM)

**Applicant:** Somis Ranch Partners, LLC

**Case Planner:** Justin Bertoline

**Total Parcel(s):** 36.34 acres

**Assessor Parcel Number(s):** 156-018-048 (2789 Somis Road)

**Development Proposal Description:** The applicant is requesting a Tentative Parcel Map (TPM) for a four-lot subdivision of an existing legal lot, a Conditional Use Permit (CUP) to authorize the construction of a community wastewater treatment facility (CWWTF), and a Planned Development (PD) Permit to authorize the construction of a 360-unit farmworker housing complex (Somis Ranch Farmworker Housing Complex Project [project]). The applicant proposes subdivision of the property into four parcels, three of which (approximately 18.43 acres) would be developed for farmworker housing and one (approximately 18.43 acres) would remain in agricultural production. The proposed farmworker housing complex would consist of 360 dwelling units, 654 parking spaces, and amenities such as community center room(s), playing fields, playgrounds, and basketball courts. The City of Camarillo's North Pleasant Valley Groundwater Treatment Facility and Desalter is sited on 4.64 acres to the southwest of the project parcel. As part of the Groundwater Treatment Facility and Desalter, the City will construct a new access road/entrance to the property and improve an existing entrance from Somis Road. There is a shared access agreement that would allow the proposed farmworker housing complex to utilize the access road and entrances. The project would be developed in three phases. Phase 1 would consist of 100 units and the CWWTF, Phase 2 would consist of 100 units and an easement to the CWWTF, and Phase 3 would consist of 160 units and an easement to the CWWTF.

Prepared for Ventura County Planning Division by:

As a Qualified Biologist, approved by the Ventura County Planning Division, I hereby certify that this Initial Study Biological Assessment was prepared according to the Planning Division's requirements and that the statements furnished in the report and associated maps are true and correct to the best of my knowledge.

Initial Study Biological Assessment Report  
Somis Ranch Farmworker Housing Complex Project

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**Qualified Biologist (signature):**



Date:

9/9/2020

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Role: Report review and technical assistance.

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**Other Biologist (signature):**



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**Other Biologist (signature):**



Date:

9/9/2020

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Role: Report review and technical assistance.

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# Initial Study Checklist

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This Biological Assessment DID provide adequate information to make recommended CEQA findings regarding potentially significant impacts.

	Project Impact Degree of Effect				Cumulative Impact Degree of Effect			
	N	LS	PS-M	PS	N	LS	PS-M	PS
<b>Biological Resources</b>								
Species			•				•	
Ecological Communities			•			•		
Habitat Connectivity		•				•		
N:	No impact							
LS:	Less than significant impact							
PS-M:	Potentially significant unless mitigation incorporated							
PS:	Potentially significant							

# Table of Contents

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Initial Study Biological Assessment .....	1
Initial Study Checklist.....	3
Summary.....	6
1 Construction Footprint Description .....	7
2 Survey Information .....	9
2.1 Survey Purpose .....	9
2.2 Survey Area Description .....	9
2.3 Methodology .....	13
3 Biological Inventory.....	15
3.1 Ecological Communities: Plant Communities, Physical Features and Wetlands.....	15
3.2 Species .....	24
3.3 Wildlife Movement and Connectivity.....	32
4 Recommended Impact Assessment and Mitigation .....	34
4.1 Sufficiency of Biological Data .....	34
4.2 Impacts and Mitigation.....	34
Site Photographs .....	42

## Tables

Table 1 Construction Footprint .....	8
Table 2 Survey Date & Details .....	14
Table 3 Plant Communities .....	17
Table 4 Waters and Wetlands within the Survey Area .....	21
Table 5 Waters/Wetland Buffers .....	24
Table 6 Protected Trees .....	25
Table 7 Observed and Potentially Occurring Special-Status Species .....	28
Table 8 Connectivity Features .....	32

## Figures

Figure 1 Project Location .....	10
Figure 2 Site and Survey Area Map .....	11
Figure 3 Plant Communities .....	18
Figure 4 Waters and Wetlands .....	22
Figure 5 Jurisdictional Limits of Waters and Wetlands .....	23
Figure 6 Species Map.....	26
Figure 7 Connectivity Features .....	33

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## **Appendices**

Appendix One Summary of Biological Resource Regulations

Appendix Two Observed Species Table

## **Attachments**

Attachment A Species Documented by CNDDDB within 10 Miles of the Proposed Project

## Summary

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The proposed project consists of a 360-unit farmworker housing complex (along with amenities such as community center(s), playing fields, playgrounds, and basketball courts) and a community wastewater treatment facility (CWWTF). The 36.34-acre project site is located in an Agricultural Exclusive (AE) Zone on Somis Road in unincorporated Ventura County adjacent to the northern limits of the City of Camarillo. It is outside of the City's sphere of influence and City Urban Restriction Boundary, and outside of the Coastal Zone or any Scenic Resource Protection, Mineral Resource Protection, Scenic Highway Protection, Habitat Connectivity or Community Business District Overlay. A qualified Rincon biologist conducted a survey of the project site and 100-foot buffer (survey area) on May 4, 2020 and a return visit on August 28, 2020 to further evaluate waters and wetlands.

No plant species that are federally or state listed as endangered or threatened, or that have a California Rare Plant Rank (CRPR) of 1 or 2, were observed during the surveys or are expected to occur in the survey area. During the surveys, 11 trees protected under the Ventura County Non-Coastal Zoning Ordinance were observed in the survey area. One California sycamore (*Platanus racemosa*) was found in the survey buffer outside the project site, and five Peruvian pepper trees (*Schinus molle*), one Brazilian pepper tree (*Schinus terebinthifolius*), one English walnut (*Juglans regia*), and three blue gums (*Eucalyptus globulus*) were found in the project site but outside the construction footprint.

No special-status wildlife species were observed during the survey and none are expected to occur in the project site due to lack of suitable habitat. Agricultural activity and roads result in frequent human disturbance throughout the survey area and vicinity. Any species that occur in the area are likely adapted to a high level of noise, foot traffic, moderate vehicle traffic, and other forms of human disturbance. The trees and ornamental vegetation in the survey area provide marginal habitat for nesting birds protected by the California Fish and Game Code and the federal Migratory Bird Treaty Act. The surveys were completed during nesting bird season (May 4 and August 28) but no nesting birds were observed.

One sensitive plant community (*Equisetum hymale* Herbaceous Alliance; state rarity ranking of 3) was observed in the survey area. The. A channelized intermittent stream (Grove's Place Drain, W1) that would likely be subject to United States Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW), and Regional Water Quality Control Board (RWQCB) jurisdiction was observed in the survey area and within the construction footprint. No regional wildlife corridor or linkages are located in the survey area, but local wildlife movement may occur in the channel of Grove's Place Drain (W1). Wildlife movement elsewhere in the survey area is expected to be minimal due to the active agricultural land use in the survey area and agricultural and commercial development in adjacent properties.

The following mitigation measure (MM) is recommended to reduce impacts to biological resources:

- **MM-BIO-1:** Conduct preconstruction nesting bird survey if construction activities commence during nesting season (February 1 to August 31) and avoid active nests.
- **MM-BIO-2:** Preparation and Planning Division approval of a Mitigation Plan to compensate for the loss of waters and wetlands regulated by the USACE, CDFW, and RWQCB.

# 1 Construction Footprint Description

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*Construction Footprint Definition (per the Ventura County Planning Division): The construction footprint includes the proposed maximum limits of temporary or permanent direct land or vegetation disturbance for a project including such things as the building pad(s), roads/road improvements, grading, septic systems, wells, drainage improvements, fire hazard brush clearance area(s), tennis courts, pools/spas, landscaping, storage/stockpile areas, construction staging areas, fire department turnarounds, utility trenching and other grading areas. The construction footprint on some types of projects, such as mining, oil and gas exploration or agricultural operations, may be quite different than the above.*

## Development Proposal Description

The applicant is requesting a Tentative Parcel Map (TPM) for a four-lot subdivision of an existing legal lot, a Conditional Use Permit (CUP) to authorize the construction of a community wastewater treatment facility (CWWTF), and a Planned Development (PD) Permit to authorize the construction of a 360-unit farmworker housing complex (Somis Ranch Farmworker Housing Complex Project [project]).

The property is located on Somis Road in unincorporated Ventura County adjacent to the northern limits of the City of Camarillo, outside of the City's sphere of influence and City Urban Restriction Boundary. The property is predominantly in agricultural production and includes two existing residences and ancillary agricultural buildings on Bell Ranch Road. These structures are outside the construction footprint and will be retained.

An area of approximately 4.64 acres near the southwest corner of the property was approved for annexation by the City of Camarillo in 2018 and will be the site of the City's North Pleasant Valley Groundwater Treatment Facility and Desalter. As part of that project, the City will construct a new access road/entrance to the property and improve an existing entrance from Somis Road (State Route [SR] 34). A shared access agreement would allow the proposed farmworker housing complex to utilize the access road and entrances. The access roads are not included in the application for this project and are not analyzed in this Initial Study Biological Assessment (ISBA).

The project site is the approximately 36.33-acre portion of the property that excludes the area annexed by the City, and access road improvements to Somis Road to the east of the project. The applicant is requesting subdivision of the project site into four parcels, three of which (totaling approximately 18.43 acres) would be developed for farmworker housing. The fourth parcel (approximately 17.90 acres) would include the existing structures and would remain in agricultural production. The proposed farmworker housing complex would consist of 30 apartment buildings totaling 360 dwelling units. Most of the apartment buildings would be three stories, with a maximum building height of 35 feet above ground level. Other planned developments include a community center building, 654 parking spaces, playing fields, playgrounds, basketball courts, and landscaping vegetation. The project would be developed in three phases. Phase 1 would include 100 housing units and the CWWTF, Phase 2 would include an additional 100 units, and Phase 3 would include the final 160 units.

The CWWTF would be developed in an area of approximately 0.15 acre in the northwest corner of the project site. It is designed to treat all wastewater (sewage) generated by the housing complex to tertiary treatment standards. The CWWTF would include a conventional membrane bioreactor

package, two approximately 25,000-gallon equalization basins, two sludge storage tanks, an air scrubber, a lift station, a maintenance storage shed, and yard piping. The perimeter of the CWWTF site would be fenced and screened by landscaping. The CWWTF would be phased for expansion to accommodate the planned three-phase construction and occupancy of the development. The recycled water is proposed for use as off-site agricultural irrigation, and any water that cannot be used for agriculture would be dispersed through a series of underground seepage pits.

## Construction Footprint Size

The construction footprint is approximately 19.05 acres and includes of all areas in which construction activities related to the development of the residential units and associated amenities and the CWWTF would occur. The proposed parcel that contains the existing structures and would remain in agricultural production is excluded from the construction footprint as no construction activities are proposed there.

**Table 1 Construction Footprint**

Acres	Feature
3.53 (19%)	Buildings
5.26 (29%)	Parking
0.56 (3%)	Hardscaping
9.08 (49%)	Landscaping
<b>18.43 (100%)</b>	<b>Total Approximate Construction Footprint</b>

## Project Design for Impact Avoidance or Minimization

The location of the construction footprint within the project site was selected in part to avoid impacts to a potentially jurisdictional drainage on the eastern boundary of the project site (Grove's Place Drain, W1), and to avoid the removal of protected trees. The plants identified in the project landscaping plan were chosen for drought tolerance and to avoid species identified as invasive by California Invasive Plant Council (Cal-IPC).

## Coastal Zone/Overlay Zones

The project site is not located in the Coastal Zone or any Scenic Resource Protection, Mineral Resource Protection, Scenic Highway Protection or Community Business District Overlay.

## Zoning

The project site is zoned Agricultural Exclusive, 40-acre minimum size (AE-40 ac). Section 8103-2.7 of the Ventura County Non-Coastal Zoning Ordinance states that AE zoned parcels less than the prescribed minimum lot area shall be allowed Farmworker Housing Complexes, where such under-sized parcels are located adjacent to or within a City Sphere of Influence and the remaining non-farmworker housing parcel at minimum 10 acres. The proposed project is consistent with these standards, with approximately 18.43 acres repurposed for farmworker housing and 17.90 acres continuing to be used for agricultural purposes.

## Elevation

The project site is between 213 and 231 feet above mean sea level.

## 2 Survey Information

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### 2.1 Survey Purpose

Discretionary actions undertaken by public agencies are required to demonstrate compliance with the California Environmental Quality Act (CEQA). The purpose of this ISBA is to gather enough information about the biological resources associated with the proposed project, and their potential to be impacted by the project, to make a CEQA Initial Study significance finding for biological resources. In general, ISBAs are intended to:

- Provide an inventory of the biological resources on a project site and the values of those resources.
- Determine if a proposed project has the potential to impact any significant biological resources.
- Recommend project redesign to avoid, minimize or reduce impacts to significant biological resources.
- Recommend additional studies necessary to adequately assess potential impacts and/or to develop adequate mitigation measures.
- Develop mitigation measures, when necessary, in cases where adequate information is available.

### 2.2 Survey Area Description

*Survey Area Definition (per the Ventura County Planning Division): The physical area a biologist evaluates as part of a biological assessment. This includes all areas that could potentially be subject to direct or indirect impacts from the project, including, but not limited to: the construction footprint; areas that would be subject to noise, light, dust or runoff generated by the project; any required buffer areas (e.g., buffers surrounding wetland habitat). The construction footprint plus a 100- to 300-foot buffer—beyond the required fire hazard brush clearance boundary— (or 20-foot from the cut/fill boundary or road fire hazard brush clearance boundary – whichever is greater) is generally the size of a survey area. Required off-site improvements—such as roads or fire hazard brush clearance—are included in the survey area. Survey areas can extend off the project’s parcel(s) because indirect impacts may cross property lines. The extent of the survey area shall be determined by the biologist in consultation with the lead agency.*

#### Survey Area

##### *Location*

The survey area is located in unincorporated Ventura County adjacent to the northern limits of the City of Camarillo (Figure 1 and Figure 2). The survey area is bordered on the south by SR 34 and entered from the east by Bell Ranch Road. The survey area encompasses the entirety of the project site (approximately 36.33 acres) plus a 100-foot survey buffer.

Figure 1 Project Location



Imagery provided by Esri and its licensors © 2020.

★ Project Location      N

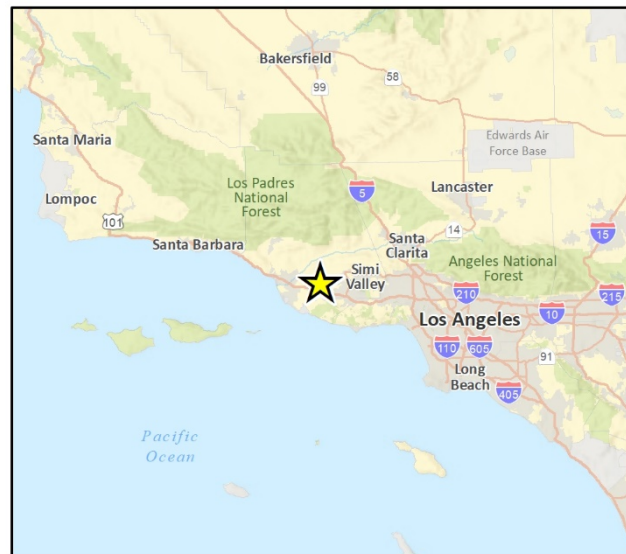


Fig 1 Regional Location



Figure 2 Site and Survey Area Map



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Fig 2 Site and Survey Map, Portrait

### *Survey Area Environmental Setting*

The survey area is predominantly in active agricultural production (row crops). Areas of orchard and fallow agricultural fields are also present. An area of approximately 2.6 acres in the southeastern portion of the survey area contains two existing residences, ancillary agricultural buildings, unpaved parking areas, and ornamental vegetation. The survey area includes a network of unpaved agricultural roads. The western survey buffer includes a paved parking lot and ornamental vegetation associated with a high school on an adjacent property. The southern survey buffer includes SR 34 and a railroad. The North Pleasant Valley Groundwater Treatment Facility and Desalter, which at the time of the survey was an active construction site, is partially within the southwestern corner of the survey area.

The land in the survey area is relatively level, ranging from a maximum elevation of approximately 230 feet above mean sea level in the northeast corner to a minimum elevation of approximate 215 feet in the southwest corner. Three soil types are mapped in the survey area: Sorrento silty clay loam, 0 to 2 percent; Pico loam, sandy substratum, 0 to 2 percent slopes; and Mocho loam, 0 to 2 percent slopes. The survey area is in the Calleguas Creek Watershed. A channelized intermittent stream (Grove's Place Drain, W1) containing wetland vegetation is located in the eastern survey buffer.

### *Surrounding Area Environmental Setting*

Properties surrounding the survey area to the north, west, and east are primarily utilized for agriculture, both row crops and orchards. Buildings and paved lots associated with the high school and a church border the survey area on the west side. Arroyo Las Posas, a seasonal stream with associated riparian vegetation, is located approximately 325 feet southeast of the survey area on the opposite side of SR 34.

### *Cover (Survey Area)*

- <1% Native vegetation
  - <1 % Giant scouring rush (*Equisetum hymale* Herbaceous Alliance)
- 77% Non-native vegetation
  - 2% Bermuda grass – Italian wild rye (*Cynodon dactylon* – *Festuca perennis* Herbaceous Alliance)
  - 1% Wild oat (*Avena fatua* Semi-Natural Herbaceous Stand)
  - 4% Non-Native Ornamental Landscaping
  - 65% Planted agricultural field
  - 5% Cleared land (fallow field)
- 23% Other cover
  - 18% Bare ground
  - 5% Paved

## 2.3 Methodology

Rincon Consultants Inc. (Rincon) conducted a literature review to determine what special-status biological resources are tracked in the vicinity of the survey area. Topographic maps, aerial photographs, and the United States Fish and Wildlife Service National Wetlands Inventory were also reviewed to assess biological conditions in the survey area and in the immediate vicinity. The review also included the references listed below.

### References

- Baldwin, B.G., D.H. Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, and D.H. Wilken, editors. 2012. *The Jepson Manual: vascular plants of California*, second edition. University of California Press, Berkeley. Available at: [ucjeps.berkeley.edu/consortium/](http://ucjeps.berkeley.edu/consortium/).
- California Department of Fish and Wildlife. 2020a. Vegetation Classification and Mapping Program, List of California Vegetation Alliances.
- California Department of Fish and Wildlife. 2020b. BIOS. Biology GIS data layers, including the California Natural Diversity Database (CNDDDB), zoning, wetlands, and habitat connectivity, and links to other biological studies conducted in the County. Available at: <https://apps.wildlife.ca.gov/bios/>. Accessed May 3, 2020.
- California Department of Fish and Wildlife. 2018. Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities. California Department of Fish and Wildlife. Sacramento, California.
- California Department of Fish and Wildlife. 2019. California Sensitive Natural Communities. Available at: <https://wildlife.ca.gov/Data/VegCAMP/Natural-Communities>.
- California Invasive Plant Council (Cal-IPC). 2020. Cal-IPC Inventory. Available at: <http://www.cal-ipc.org/plants/inventory/>.
- California Native Plant Society. 2020. Inventory of Rare and Endangered Plants (online edition, v8-02). California Native Plant Society. Sacramento, CA. Available at: <http://www.rareplants.cnps.org>.
- California Native Plant Society. 2001. CNPS Botanical Survey Guidelines.
- Google Earth Pro 2020. Earth Version 7.3.2.
- Holland, R.F. 1986. Preliminary Descriptions of the Terrestrial Natural Communities of California. California Department of Fish and Game.
- Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. The National Wetland Plant List: 2016 wetland ratings. *Phytoneuron* 2016-30:1-7. Published 28 April 2016. ISSN 2153733X.
- Sawyer, J.O., T. Keeler-Wolf, and J. M. Evens. 2009. *A Manual of California Vegetation, 2nd edition*. California Native Plant Society, Sacramento, California.
- United States Department of Agriculture Natural Resource Conservation Service. 2020a. Web Soil Survey. Available at: <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>.
- United States Fish and Wildlife Service. 2020. National Wetlands Inventory (NWI). Available at: <https://www.fws.gov/wetlands/data/mapper.html>.
- Environmental Security Office, San Diego County, California.
- Ventura County Planning Division. 2018. Locally Important Plants.

- Ventura County Planning Division. 2014. Locally Important Animals.
- Ventura County Planning Division. 2019. Ventura County General Plan: Goals, Policies and Programs.
- Ventura County Planning Division. 2019. Non-Coastal Zoning Ordinance.

### Survey Details Table

An initial site visit was conducted by Rincon biologist Carolyn Welch, on May 4, 2020, to determine the potential for presence of special-status species and to generally document the extent of biological resources in the survey area (Table 2). The survey area was systematically walked, providing thorough coverage of the entire potential development footprint. The property was photographed, and GPS was available to mark significant findings.

A second site visit was conducted by Rincon biologists Carolyn Welch and Thea Benson on August 28, 2020, with focus on the eastern drainage where road improvements are proposed for access to the main project site. This site visit focused on identification of aquatic resources, including presence of hydrophytic vegetation, hydric soils, and wetland hydrology, presence of an ordinary high-water mark (OHWM), and/or riparian resources. Delineation procedures outlined in the *Wetlands Delineation Manual* (USACE 1987) and the guidance in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (USACE 2008a) were used in this analysis. During the survey, Ms. Welch and Ms. Benson noted general site characteristics and documented vegetation and took representative photographs.

**Table 2 Survey Date & Details**

Survey Key	Survey Date	Survey Area	Survey Type	Time Period	Methods/Constraints	GPS	Surveyor(s)
SD1	5/4/2020	SA1	ISBA	8:00 am–1:00 pm	The majority of the site was accessible on foot. A section of the site was not accessible due to construction activities and was surveyed with binoculars.	Trimble	Carolyn Welch
SD2	8/28/2020	SA1	ISBA	8:00 am-11:00 am	The site was accessible on foot.	Trimble	Thea Benson and Carolyn Welch

ISBA = Initial Study Biological Assessment

## 3 Biological Inventory

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See Appendix A for an overview of the types of biological resources that are protected in Ventura County.

### 3.1 Ecological Communities: Plant Communities, Physical Features and Wetlands

#### Plant Communities

Locally important or rare plant communities were found in the survey area.

Three natural communities and five other land cover types were mapped in the survey area (Table 3, Figure 3).

#### Major Plant Communities Summary

##### *Giant scouring rush (Equisetum hyemale Herbaceous Alliance)*

This herbaceous alliance typically occurs in riparian areas, including streambanks, floodplains, edges of levees, seeps, ponds, and riparian forest openings between sea level and to 10,000 feet in elevation. The soils where it occurs are alluvial and may be seasonally or intermittently flooded. The herbaceous canopy cover may be intermittent to continuous, and native giant scouring rush (*Equisetum hyemale*) comprises at least 50 percent relative cover in the herbaceous layer. This vegetation community has a state rarity rank of S3 and is not ranked globally. It is identified by CDFW and Ventura County as a sensitive plant community.

In the survey area, giant scouring rush occurs in two small patches in the channelized ephemeral stream (Grove's Place Drain, W1) near the northeast corner of the project site (Figure 4). In these areas the species forms a closed canopy with no understory. The survey area contains less than 0.1 acre of this land cover type, representing less than one percent of the survey area.

##### *Bermuda grass – Italian wild rye (Cynodon dactylon – Festuca perennis Herbaceous Alliance)*

This provisional herbaceous stand occurs in Grove's Place Drain (W1) along the east side of the survey area. Non-native Bermuda grass (*Cynodon dactylon*) and Italian wild rye (*Festuca perennis*) are dominant in the herbaceous layer. Other species observed include native smooth willowherb (*Epilobium ciliatum*) and rescue grass (*Bromus catharticus*) and non-native annual beard grass (*Polypogon monspeliensis*) and castor bean (*Ricinus communis*). This community is not identified in A Manual of California Vegetation (Sawyer et al. 2009) as a defined habitat type. The survey area contains approximately 0.8 acre of this land cover type, representing two percent of the survey area.

##### *Wild oat (Avena fatua Semi-Natural Herbaceous Stand)*

This herbaceous stand occurs in a variety of settings, including waste places, rangelands, and openings in woodlands between sea level and 7,000 feet in elevation. The herbaceous canopy cover ranges from open to continuous, and non-native wild oat (*Avena fatua*) comprises at least 50

percent relative cover. This vegetation community is not assigned state or global rarity ranks due to the prevalence of non-native species.

In the survey area, this community occurs near the western boundary of the project site. Wild oat dominates the herbaceous layer. Other non-native herbaceous species are also present, including ripgut brome (*Bromus diandrus*), foxtail barley (*Hordeum murinum*), and bull mallow (*Malva nicaeensis*). The survey area contains approximately 0.4 acre of this land cover type, representing one percent of the survey area.

## Other Land Cover Types

### *Non-Native Ornamental Landscaping*

Non-native ornamental landscaping occurs near the center of the survey area in the immediate vicinity of the existing structures and at the southwest corner of the survey area bordering the adjacent high school parking lot. Near the existing structures there is a tree canopy composed of several large ornamental species including the Peruvian pepper tree, Brazilian pepper tree, blue gum, orange tree (*Citrus* sp.), avocado (*Persea americana*), and myoporum (*Myoporum laetum*). The understory is composed primarily of grass lawns, plantain (*Musa* sp.), garden rose (*Rosa* sp.). At the southwest corner, the dominant species is kangaroo vine (*Cissus antarctica*), which is covering a chain link fence. The understory is composed primarily of non-native ruderal species including cheeseweed (*Malva parviflora*), prickly lettuce (*Lactuca serriola*), and bristly ox-tongue (*Helminthotheca echioides*). Two native western redbud (*Cercis occidentalis*) and a California sycamore are also present in this area.

Non-native ornamental landscaping is not identified as a community in A Manual of California Vegetation (Sawyer et al. 2009). The survey area contains approximately 2.0 acres of this land cover type, representing four percent of the survey area.

### *Planted Agricultural Field*

This land is engaged in active agricultural production. The primary crops growing in the survey area at the time of the survey include celery (*Apium graveolens*), cabbage (*Brassica oleracea*), strawberries (*Fragaria ananassa*), and squash (*Cucurbita* sp.). The survey area contains approximately 32.7 acres of this land cover type, representing 65 percent of the survey area.

### *Cleared Land (Fallow Field)*

This land cover type is associated with disturbed areas and characterized by dense growth of non-native herbaceous species. It occurs in parts of the survey area that were recently in active agricultural production but were fallow at the time of the survey. Observed species included common sow thistle (*Sonchus oleraceus*), Shepherd's purse (*Capsella bursa pastoris*), and nettle leaf goosefoot (*Chenopodium murale*). This land cover type is not identified as a community in A Manual of California Vegetation (Sawyer et al. 2009). The survey area contains approximately 2.3 acre of fallow field, representing five percent of the survey area.

### *Bare Ground*

This land cover type in the survey area includes the dirt roads, gravel areas, and the active construction zone for North Pleasant Valley Groundwater Treatment Facility and Desalter. These areas are kept free of vegetation for human use. The survey area contains approximately 9.2 acre of this land cover type, representing 18 percent of the survey area.

Paved

Asphalt-paved land is present in the survey area on SR 34 adjacent to the southern boundary of the project site and in the high school parking lot adjacent to the western boundary. No vegetation is present in these areas. The survey area contains 2.7 acres of paved land, representing five percent of the survey area.

**Table 3 Plant Communities**

Map Key	VegCAMP Alliance	VegCAMP Association	Misc.	Status	Condition	Acres Total	Acres Impacted*	Comments
PC1	<i>Equisetum hyemale</i> Herbaceous Alliance	N/A	–	S3	Intact	0.02	0	Sensitive. In W1 drainage.
PC2	<i>Cynodon dactylon</i> – <i>Festuca perennis</i> Herbaceous Alliance	N/A	–	N/A	Intact	0.83	0.07	In W1 and W3 drainage.
PC3	<i>Avena fatua</i> Semi-Natural Herbaceous Stand	N/A	–	N/A	Disturbed	0.39	0	
PC4	N/A	N/A	Non-Native Ornamental Landscaping	N/A	Disturbed	1.95	0	
PC5	N/A	N/A	Planted Agricultural Field	N/A	Disturbed	32.68	16.91	
PC6	N/A	N/A	Cleared Land (Fallow Field)	N/A	Disturbed	2.34	0.18	
PC7	N/A	N/A	Bare Ground	N/A	Disturbed	9.22	1.89	
PC8	N/A	N/A	Paved	N/A	Paved	2.73	0.0	
<b>Total</b>						<b>50.16</b>	<b>19.05</b>	

\*Acres Impacted calculations reflect impacts to each VegCAMP Alliance based on the complete build-out of the entire parcel.

VegCAMP Vegetation Classification and Mapping Program

LIC Locally Important Plant Community

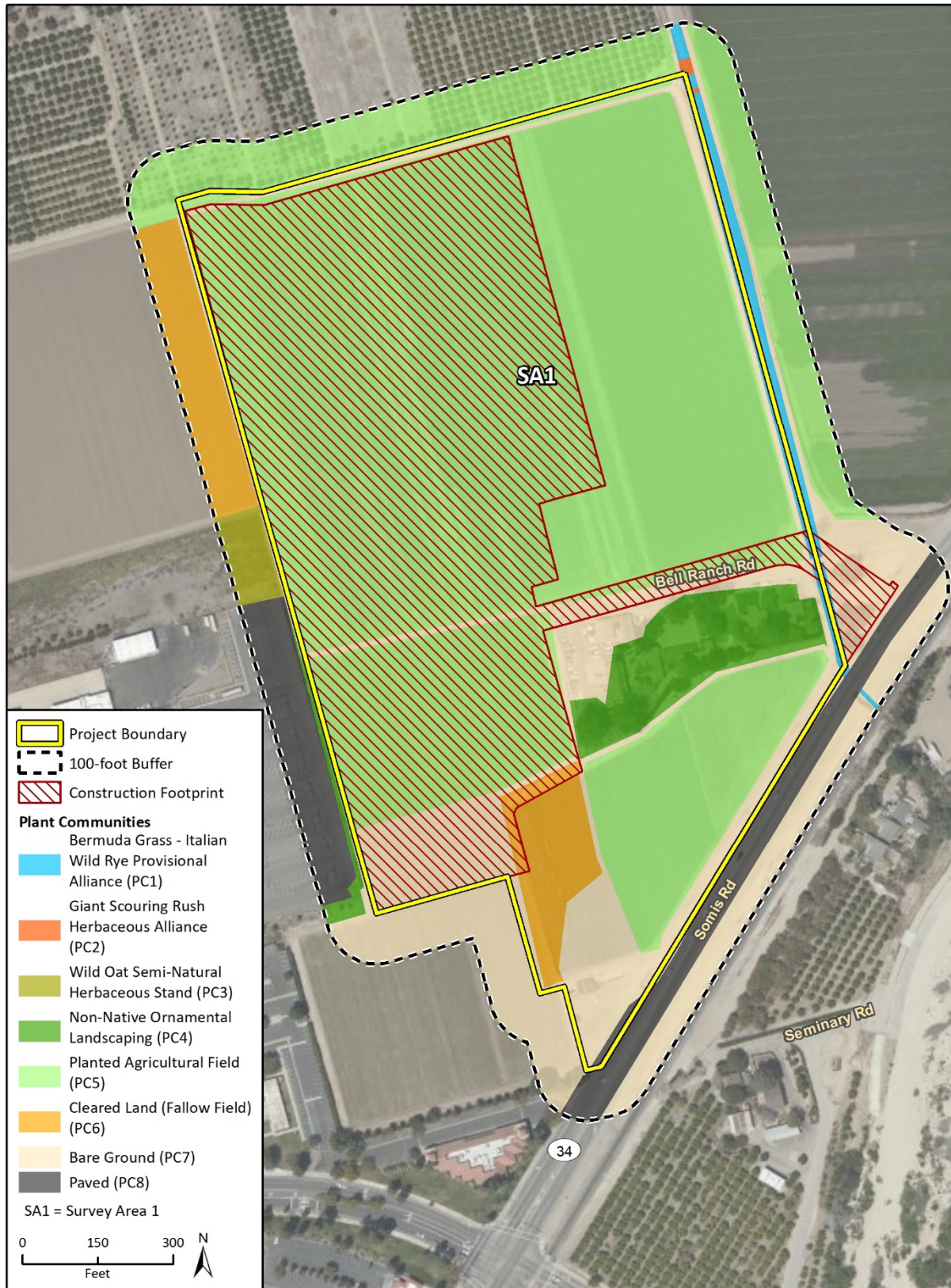
**California Department of Fish and Wildlife/Nature NatureServe Rank**

G1 or S1 Critically Imperiled Globally or Subnationally (state)

G2 or S2 Imperiled Globally or Subnationally (state)

G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)

Figure 3 Plant Communities





## Environmentally Sensitive Habitat Areas (ESHA)

ESHA is “any area in which plant or animal life or their habitats are either rare or especially valuable because of their special nature or role in an ecosystem and which could be easily disturbed or degraded by human activities and developments” (Public Resources Code § 30107.5). ESHA includes coastal dunes, beaches, tidepools, wetlands, creek corridors, and certain upland habitats in the Santa Monica Mountains (Ventura County Coastal Area Plan). This designation only applies in the Coastal Zone and is not applicable to the project.

Habitats that meet the definition of ESHA were not found in the survey area.

## Physical Features

No noteworthy physical features, such as rock outcrops, caves, or cliff faces occur in the survey area.

## Waters and Wetlands

Waters and/or wetlands were found in the survey area.

## Waters and Wetlands Summary

The survey area was evaluated for the presence of potential waters and wetlands subject to regulatory agency jurisdiction, including USACE, CDFW, RWQCB, and County of Ventura under General Plan Policy 1.5.2-4. Two channelized intermittent channels (W1 and W3) and one ephemeral agricultural drainage ditch (W2) were observed in the survey area (Table 4, Figure 4).

The channelized intermittent stream (Grove’s Place Drain, W1) runs parallel to and immediately outside the eastern boundary of the project site within the survey area. This stream is mapped by the National Wetlands Inventory (USGS 2020) as Riverine habitat. The stream receives flows from the hills to the north and from surrounding agricultural fields, and empties into Arroyo Las Posas approximately 325 feet southeast of the survey area. It is engineered to follow a straight-line course. The length of the channel adjacent to the project site has a soft bed and banks composed of native soil. A portion of the channel in the survey area on the opposite (south) side of SR 34 is concrete-lined. Ordinary High Water Mark (OHWM) indicators were observed, including changes in vegetation cover and species composition and presence of surface water and soil saturation. The channel is disturbed by regular maintenance of the channel for agricultural activities to allow continued flow. The length of the channel north of SR 34 was primarily dry at the time of the survey, but wet soil and small pools of water were present in some areas. The concrete-lined section contained significant standing water. Review of historical aerial imagery (Google Earth 2020) indicates that the channel lacks relatively permanent flow of water; however, the channel provides surface flow intermittently due to rain events and regular runoff from agriculture. Therefore, the channel may contribute surface flow to nearby Arroyo Las Posas intermittently during a typical year. Vegetation observed in the channel during the survey is described as *Cynodon dactylon* – *Festuca perennis* Herbaceous Alliance, consisting primarily of non-native, weedy species including Bermuda grass (*Cynodon dactylon*), bentgrass (*Agrostis* sp.), poison hemlock (*Conium maculatum*), Mexican strangletop (*Leptochloa fusca* ssp. *uninervia*), sedge (*Cyperus* sp.), and castor bean (*Ricinus communis*). However, some areas in the north of the study area were dominated by giant scouring rush (*Equisetum hyemale* ssp. *affine*), a native species that is designated by the USACE (Lichvar *et al.* 2016) as a facultative wetland indicator.

The W3 drainage provides water intermittently, similar to W1, and provides a direct connection to W1. Vegetation and soils observed in this drainage are similar to those observed at W1.

One soil pit was dug in the Grove's Place Drain (W1), and one soil pit was dug in the unnamed drainage (W3) within the Sorrento silty loam soil series mapped by the NRCS. Soils observed at these soil pits within the survey area were composed of loamy mucky minerals (W1), gleyed matrix (W3) and consisted of clay soils, indicating presence of hydric soils. No redox features or oxidation indicators were observed, indicating soils were not well-developed, likely due to the continued maintenance associated with agricultural activities. Soils were well saturated and some areas water was pooled or flowing.

Wetland indicators for hydric soils, hydrophytic vegetation, and hydrology were present in W1 and W3 and spanned the entire width of the channel below the OHWM. Due to the connectivity of W1 and W3 to the nearby Arroyo Las Posas, and the presence of all three wetland indicators, the USACE, RWQCB, and CDFW would likely assert jurisdiction (Figure 5).

Flows from the project site do not enter Drainage W1 because the land slopes in the opposite direction, towards Arroyo Las Posas to the southeast. Flows inside the project site are received by a drainage ditch (W2) located along the western boundary of the project site and are conveyed into the stormwater drain system of the City of Camarillo.

The W2 feature is small, man-made agricultural drainage ditch, constructed from uplands to drain agricultural overflow. It is not mapped by the National Wetlands Inventory or the Ventura County Wetland Inventory. No water was present in the ditch at the time of the survey. No OHWM or other signs of flow or wetland indicator plants were observed. The ditch turns to the west at the southwestern corner of the project site and enters a stormwater drain outside the survey area. The ditch conveys irrigation runoff from upland agricultural areas and has limited function and value, supporting flows ephemerally. Therefore, this feature is not likely subject to USACE, CDFW, or RWQCB jurisdiction.

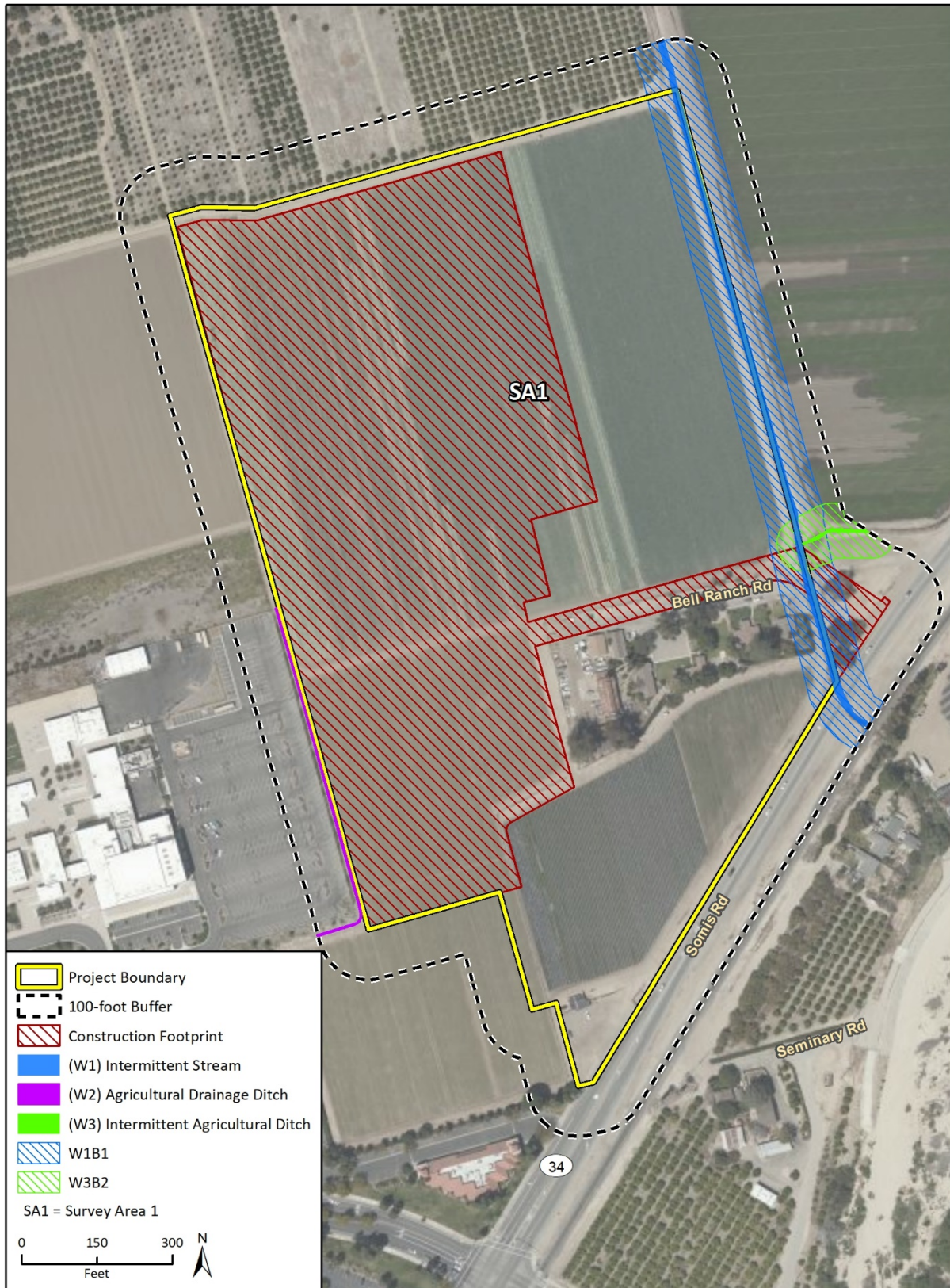
**Table 4 Waters and Wetlands within the Survey Area**

Map Key (1)	Wetland Type (2)	Wetland Name (if any)	Wetland Status (3) (if known)	Wetland Size (4)	Hydrologic Status (5)	Primary Water Source (6)	County Wetland Significance (7)	Wetland Distance from Project (8)	Comments (9)
W1	Channelized intermittent stream	Grove's Place Drain	USACE RWQCB CDFW County WPD	281 linear ft/0.13 acre in survey area.	Wet	Rain events, agricultural irrigation	Significant	Occurs within the construction footprint	Channelized intermittent stream with engineered banks; drains hills to north of survey area and surrounding agricultural fields; flows into Arroyo Las Posas 325 feet south of survey area; soil saturation and pooled water present during surveys; contains hydrophytic vegetation (giant scouring rush, Bermuda grass, and sedges).
W2	Ephemeral agricultural drainage ditch	Unnamed	--	730 linear ft/0.07 acre in survey area. Not present in construction footprint.	Dry	Rain events, agricultural irrigation	Not Significant	Approximately 10 feet from construction footprint	Small, man-made drainage ditch; receives run-off from the survey area; empties into City of Camarillo storm drain; no water, evidence of flow, or hydrophytic vegetation observed.
W3	Intermittent Agricultural ditch	Unnamed	USACE RWQCB CDFW County WPD	138 linear ft/0.04 acres in survey area	Wet	Rain events, agricultural irrigation	Significant	Occurs immediately adjacent to the construction footprint	Channelized intermittent stream with engineered banks; drains into Grove's Place Drain (W1); saturation and pooled water present during surveys; contains hydrophytic vegetation (Mexican strangletop, Bermuda grass, and sedges).

USACE	U.S. Army Corps of Engineers regulated
CDFG	California Department of Fish & Game regulated
County	County General Plan Policy 1.5.2-3 regulated
WPD	County Watershed Protection District (red-line stream)

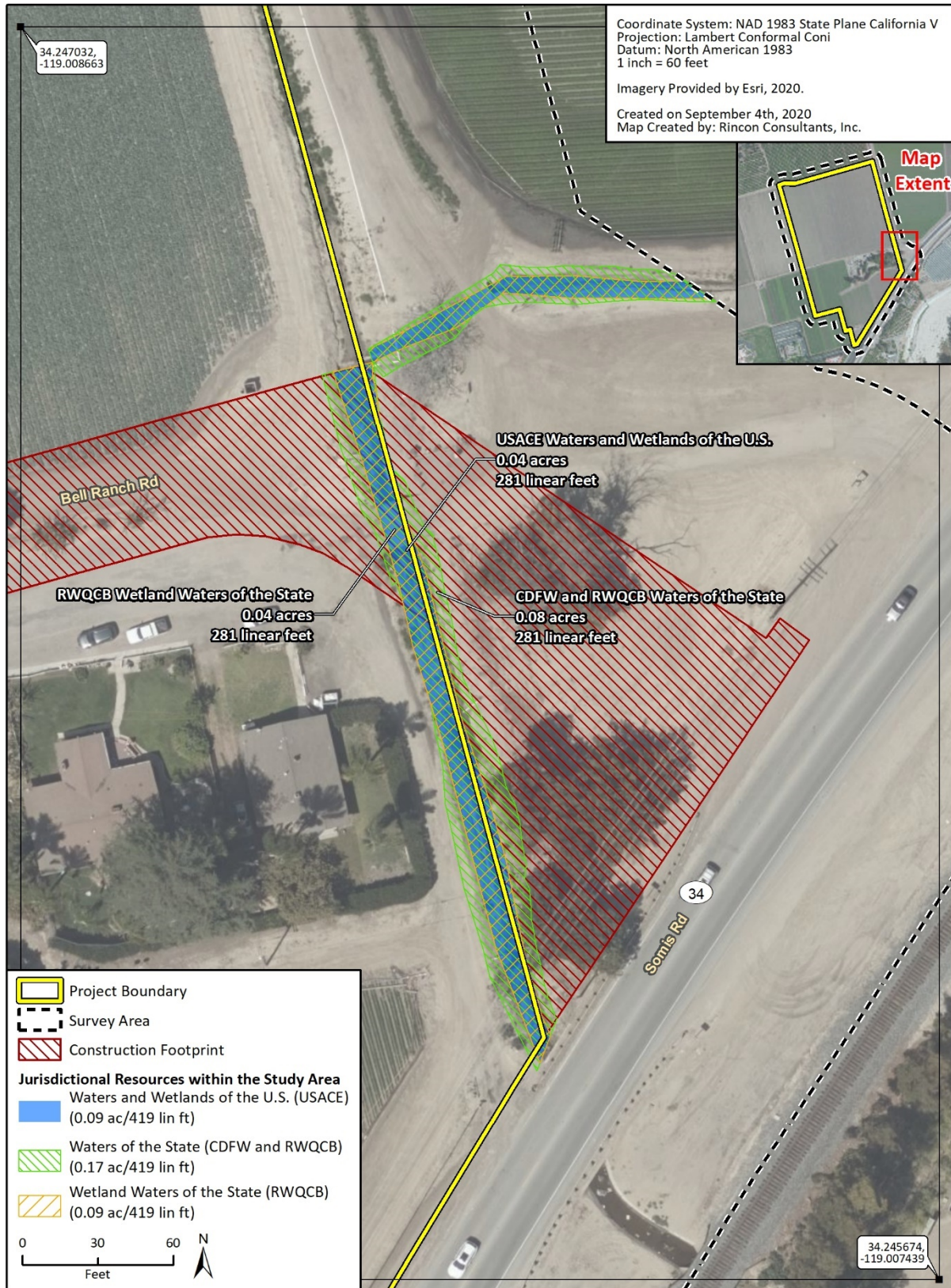
Figure 4 Waters and Wetlands



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Fig. 4 Waters and Wetlands

Figure 5 Jurisdictional Limits of Waters and Wetlands



**Table 5 Waters/Wetland Buffers**

Map Key (1)	Recommended Buffer (2)	Comments
W1B1	50'	The significance of the W1 drainage warrants a buffer to protect its functions and the project includes such a buffer. A reduced buffer of 50 feet is appropriate because the drainage is bordered by an existing unpaved road and active agricultural field.
W3B2	50'	The significance of the W3 drainage warrants a buffer to protect its functions and connection to the W1 drainage, and the project includes such a buffer. A reduced buffer of 50 feet is appropriate because the drainage is bordered by bare ground, disturbed road, and an active agricultural field.
--	0'	The W2 drainage is a small, man-made ditch and is not expected to support special status plant or wildlife species. No buffer is recommended.

## 3.2 Species

### Observed Species

A total of 61 plant species were identified in the survey area, of which eight were native and 53 were non-native. A total of nine wildlife species were observed, all of which were native. Refer to Appendix Two for a list of all plant species observed in the survey area during the survey.

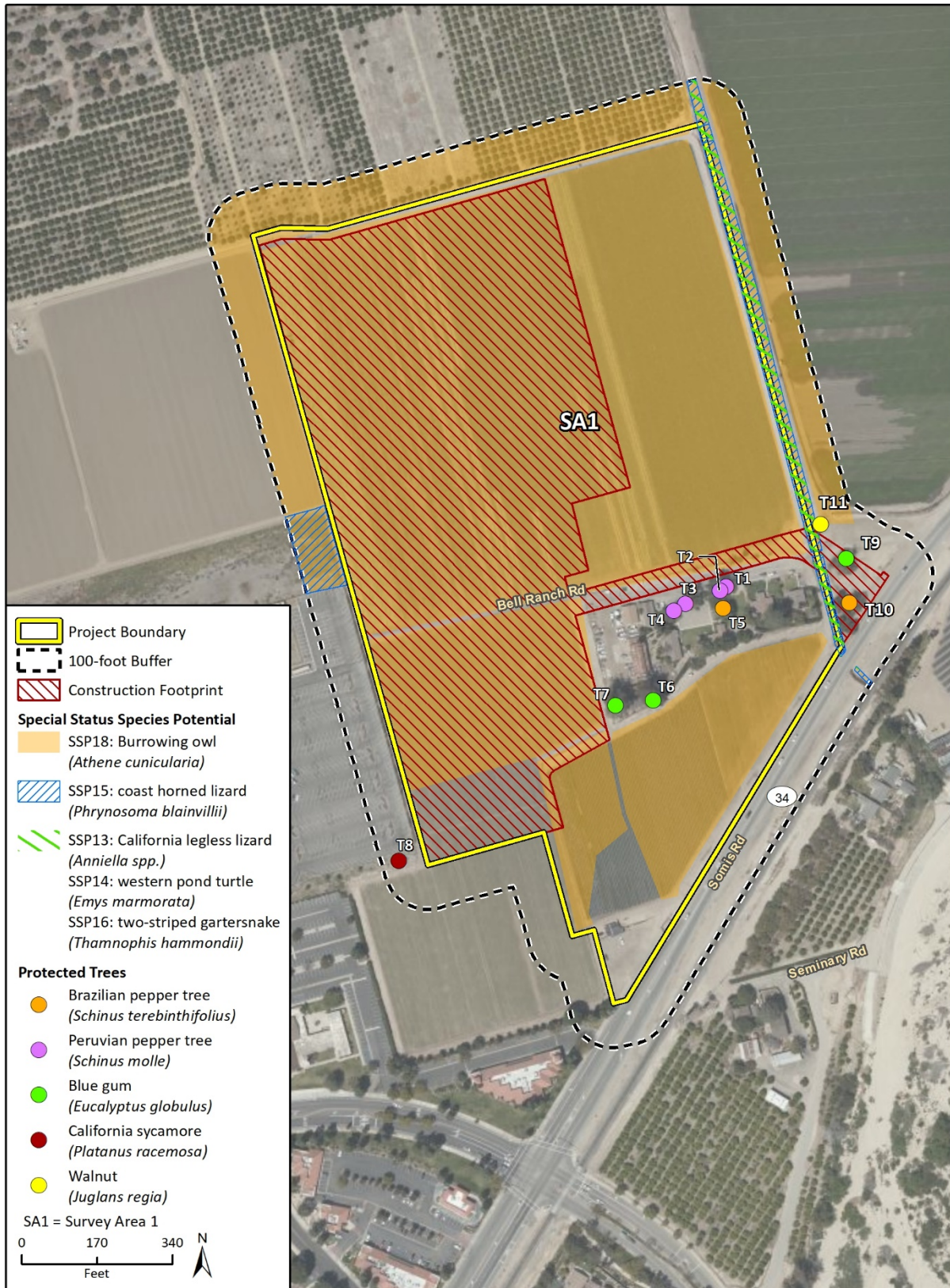
### Protected Trees

The Ventura County Non-Coastal Zoning Ordinance, § 8107-25 (Tree Protection Ordinance) defines protected trees as all oaks and sycamores 9.5 inches in circumference or larger (measured at least 4.5 feet above ground), trees of any species with a historical designation, and trees of any species 90 inches in circumference or larger. One protected western sycamore (*Platanus racemosa*) was observed in the survey buffer outside the western boundary of the project site. No oaks, sycamores, or any other native tree species were observed in the project site. Several of the non-native blue gums (*Eucalyptus globulus*), Peruvian pepper trees (*Schinus molle*), and Brazilian pepper trees (*Schinus terebinifolius*) observed near the existing structures in the project site have a girth of greater than 90 inches and therefore area regulated by the Tree Protection Ordinance as heritage trees (Table 6, Figure 6). Two trees occur within the eastern driveway easement and may be removed (T9 and T10); no additional trimming or removal is proposed.

Table 6 Protected Trees

Map Key	Species	Common Name	Girth (circumference)	Impact
T1	<i>Schinus molle</i>	Peruvian pepper tree	160 inches	None
T2	<i>Schinus molle</i>	Peruvian pepper tree	120 inches	None
T3	<i>Schinus terebinthifolius</i>	Brazilian pepper tree	173 inches	None
T4	<i>Schinus molle</i>	Peruvian pepper tree	133.5 inches	None
T5	<i>Schinus molle</i>	Peruvian pepper tree	204 inches	None
T6	<i>Eucalyptus globulus</i>	blue gum	152.5 inches	None
T7	<i>Eucalyptus globulus</i>	blue gum	81.5 inches, 124 inches, 88 inches	None
T8	<i>Platanus racemosa</i>	California sycamore	23.5 inches	None
T9	<i>Eucalyptus globulus</i>	blue gum	192 inches	Removal
T10	<i>Schinus molle</i>	Peruvian pepper tree	54 and 24 inches	Removal
T11	<i>Juglans regia</i>	English walnut	38, 36, 35, and 27 inches	None

Figure 6 Species Map





## Special-Status Species and Nests

See Appendix One for definitions of the types of special-status species that have federal, state or local protection and for more information on the regulations that protect birds' nests.

Special-status species were not found and have low potential to occur in the survey area(s).

Habitat suitable for nests of birds protected under the Migratory Bird Treaty Act does exist in the survey area.

## Special-Status Species Summary

### *Observed Species*

No special-status species were observed during the field survey.

### *Potential Species*

The literature review and CNDDDB 10-mile radius search identified 21 special-status plant species and 36 special-status wildlife species, including state- and federally-listed endangered or threatened species (Attachment A). Of these, species that were documented within five miles of the survey area or determined to have a moderate to high potential to occur are listed in Table 7 as required by the ISBA Standards. Table 7 includes nine special-status plant species and 10 special-status wildlife species. No special-status plant species are expected to occur because the entire survey area is disturbed, developed, or engaged in active agricultural use. Five special-status wildlife species have low potential to occur: California legless lizard (*Anniella* spp.), western pond turtle (*Emys marmorata*), coast horned lizard (*Phrynosoma blainvillii*), two-striped gartersnake (*Thamnophis hammondi*), and burrowing owl (*Athene cunicularia*). No special-status wildlife species have moderate or high potential to occur due to the disturbance of the survey area and lack of suitable habitat.

Table 7 Observed and Potentially Occurring Special-Status Species

Map Key	Source	Scientific Name	Common Name	Status	Potential	Habitat Requirements	Adequate Habitat	Adequate Habitat Size	Acres Impacted	Comments
<b>Plants</b>										
SSP1	CNDDDB	<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya	FE, SE, G3T2, S2, RPR 1B.1	Not Expected	Coastal scrub, coastal bluff scrub, and valley and foothill grassland. Open, rocky slopes; often in shallow clays over serpentine or in rocky areas with little soil. Elevations between 15 and 1,500 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 2003, 2010). No coastal dune or coastal scrub habitats are present in the survey area. The entire survey area is developed or disturbed.
SSP2	CNDDDB	<i>Dudleya parva</i>	Conejo dudleya	FT,G5, S1, RPR 1B.2	Not Expected	Coastal scrub and valley and foothill grassland. In clay or volcanic soils on rocky slopes and grassy hillsides. Elevations between 200 and 1,500 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 1987, 2010). No coastal scrub habitats are present in the survey area. The only grassland habitat in the survey area is the small area of disturbed grassland in Grove's Place Drain. The entire survey area is developed or disturbed.
SSP3	CNDDDB	<i>Dudleya verityi</i>	Verity's dudleya	FT, G1, S1, RPR 1B.1	Not Expected	Chaparral, cismontane woodland, and coastal scrub. Volcanic, rocky soils. Elevation between 150 and 400 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 2003, 2015). No chaparral, coastal scrub, or woodland habitats are present in the survey area. The entire survey area is developed or disturbed.
SSP4	CNDDDB	<i>Eriogonum crocatum</i>	Conejo buckwheat	SR, G1, S1, RPR 1B.2	Not Expected	Chaparral, coastal scrub, and valley and foothill grassland. Conejo volcanic outcrops and other rocky sites. Elevations between 150 and 2,000 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 1983, 1991, 2003, 2010). No chaparral or coastal scrub habitats are present in the survey area. The only grassland habitat in the survey area is the small area of disturbed grassland in Grove's Place Drain. The entire survey area is developed or disturbed.
SSP5	CNDDDB	<i>Monardella sinuata</i> ssp. <i>gerryi</i>	Gerry's curly-leaved monardella	G3T1, S1, RPR 1B.1	Not Expected	Sandy openings in coastal scrub. Elevations between 500 and 800 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 1934, 2015). No coastal scrub habitat is present in the survey area. The entire survey area is developed or disturbed.
SSP6	CNDDDB	<i>Navarretia ojaiensis</i>	Ojai navarretia	G2, S2, RPR 1B.1.	Not Expected	Openings in chaparral, coastal scrub, and valley and foothill grassland. Elevations between 800 and 2,000 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 2014). No chaparral or coastal scrub habitats are present in the survey area. The only grassland habitat in the survey area is the small area of disturbed grassland in Grove's Place Drain. The entire survey area is developed or disturbed.
SSP7	CNDDDB	<i>Pentachaeta lyonii</i>	Lyon's pentachaeta	FE, SE, G1, S1, RPR 1B.1	Not Expected	Chaparral, valley and foothill grassland, and coastal scrub. Edges of clearings in chaparral, usually at the ecotone between grassland and chaparral or edges of firebreaks. Elevations between 100 and 2,100 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 1998, 2000, 2016). No chaparral or coastal scrub habitats are present in the survey area. The only grassland habitat in the survey area is the small area of disturbed grassland in Grove's Place Drain. The entire survey area is developed or disturbed.
SSP8	CNDDDB	<i>Pseudognaphalium leucocephalum</i>	White rabbit-tobacco	G4, S2, RPR 2B.2	Not Expected	Chaparral, cismontane woodland, coastal scrub, and riparian woodland. Sandy, gravelly soils. Elevations between sea level and 7,000 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 1959). No chaparral, coastal scrub, or woodland habitats are present in the survey area. The entire survey area is developed or disturbed.
SSP9	CNDDDB	<i>Senecio aphanactis</i>	Chaparral ragwort	G3, S2, RPR 2B.2	Not Expected	Chaparral, cismontane woodland, and coastal scrub. Drying alkaline flats. Elevations between 50 and 2,700 feet.	No	No	0	Documented within five miles of survey area (CNDDDB 1978). No chaparral, coastal scrub, or woodland habitats are present in the survey area. The entire survey area is developed or disturbed.
<b>Fish</b>										
SSP10	CNDDDB	<i>Gila orcuttii</i>	Arroyo chub	SSC, G2, S2	Not Expected	Clear, small to medium size streams with gravel, rubble, and rock substrates as well with vegetation. Water may be swift moving or relatively calm.	No	No	0	Documented within five miles of the survey area (CNDDDB 2000; Santa Clara River). No perennial stream or river habitat is present in the survey area.
SSP11	CNDDDB	<i>Oncorhynchus mykiss irideus</i> pop. 10	Steelhead – southern California DPS	FE, G5T1Q, S1	Not Expected	Rivers and streams seasonally accessible from the coastal ocean.	No	No	0	Documented within five miles of the survey area (CNDDDB 2013; Santa Clara River). No perennial stream or river habitat is present in the survey area.
<b>Mammals</b>										
SSP12	CNDDDB	<i>Taxidea taxus</i>	American badger	G5, S3, SSC	Not Expected	Grasslands and open areas with grasslands, including parklands, farms, and treeless areas with friable soil and a supply of rodent prey. May also be found in forest glades and meadows, marshes, and brushy areas.	No	No	0	Documented within five miles of the survey area (CNDDDB 2013). The only grassland habitat in the survey area is the small area of disturbed grassland in Grove's Place Drain. The entire survey area is developed or disturbed.

Map Key	Source	Scientific Name	Common Name	Status	Potential	Habitat Requirements	Adequate Habitat	Adequate Habitat Size	Acres Impacted	Comments
<b>Reptiles</b>										
SSP13	CNDDDB	<i>Anniella</i> spp.	California legless lizard	G3G4, S3S4, SSC	Low	This element represents California records of <i>Anniella</i> not yet assigned to new species within the <i>Anniella pulchra</i> complex. Contra Costa County south to San Diego, within a variety of open habitats. Variety of habitats; generally in moist, loose soil.	No	No	0	Documented within five miles of the survey area (CNDDDB 2011, 2012, 2014, 2016). Moist soil is present in the Grove's Place Drain channel (W1) in the east side of the survey area. Habitat in the channel is disturbed and located approximately 300 feet from the construction footprint.
SSP14	CNDDDB	<i>Emys marmorata</i>	Western pond turtle	G3G4, S3, SSC	Low	Permanent or intermittent waters, including marshes, streams, rivers, ponds, and lakes with large numbers of emergent logs, boulders, or dense aquatic vegetation.	No	No	0	Documented within five miles of the survey area (CNDDDB 2000). The Grove's Place Drain channel (W1) in the east side of the survey area may provide marginally suitable habitat when water is present, but aerial imagery suggests that little to no water is present at most times. The habitat in the channel is disturbed and does not contain deep pools or basking sites (rocks or logs). The channel is located approximately 300 feet from the construction footprint.
SSP15	CNDDDB	<i>Phrynosoma blainvillii</i>	Coast horned lizard	G3G4, S3S4, SSC	Low	Scrublands, grasslands, coniferous and broadleaf forests and woodlands.	No	No	0	Documented within five miles of the survey area (CNDDDB 2007). No scrubland or woodlands habitats are present in the survey area, and the only grassland habitats are small areas of disturbed grassland in Grove's Place Drain and along the western boundary of the survey area. The entire survey area is developed or disturbed.
SSP16	CNDDDB	<i>Thamnophis hammondi</i>	Two-striped gartersnake	G4, S3S4, SSC	Low	Coastal California from vicinity of Salinas to northwest Baja California. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth. Elevations between sea and approximately 7,000 feet.	No	No	0	Documented within five miles of the survey area (CNDDDB 1995). Marginally suitable habitat exists in Grove's Place Drain in the east side of the survey area, but the bed is not rocky and riparian vegetation is not present. Habitat in the channel is disturbed and located approximately 300 feet from the construction footprint.
<b>Insects</b>										
SSP17	CNDDDB	<i>Bombus crotchii</i>	Crotch bumble bee	SC, G3G4, S1S2	Not Expected	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include <i>Antirrhinum</i> , <i>Phacelia</i> , <i>Clarkia</i> , <i>Dendromecon</i> , <i>Eschscholzia</i> , and <i>Eriogonum</i> .	No	No	0	Documented within five miles of the survey area (CNDDDB 1963). The entire survey area is developed or disturbed. Food plants were not observed during the survey.
<b>Birds</b>										
SSP18	CNDDDB	<i>Athene cunicularia</i>	Burrowing owl	G4, S3, SSC	Low	Grasslands, rangelands, agricultural areas, deserts, or other open dry areas with low vegetation.	No	No	0	Documented within five miles of the survey area (CNDDDB 2010). Agricultural areas are present in the survey area. No evidence of burrows was observed during the survey. The project site is outside the current breeding range of burrowing owl, but transient or overwintering individuals could occur.
SSP19	CNDDDB	<i>Vireo bellii pusillus</i>	Least Bell's vireo	FE, SE, G5, S2	Not Expected	Lowland riparian habitat with dense shrubbery or scrubby habitat including brushy fields, early successional growth, riverine scrub, and coastal chaparral.	No	No	0	Documented within five miles of the survey area (CNDDDB 2007, 2008, 2009, 2010, 2017). No riparian habitat is present in the survey area. The entire survey area is developed or disturbed. Vegetation in the portion of Arroyo Las Posas closest to the survey area (approximately 325 feet) is sparse and not suitable for nesting least Bell's vireos.

Map Key	Source	Scientific Name	Common Name	Status	Potential	Habitat Requirements	Adequate Habitat	Adequate Habitat Size	Acres Impacted	Comments
FE	Federally Endangered									
FT	Federally Threatened									
SE	California Endangered									
ST	California Threatened									
SC	State Candidate Species									
SSC	California Species of Special Concern									
FP	Fully Protected, CDFW									
<b>California Department of Fish and Wildlife/NatureServe Rank</b>										
G1 or S1	Critically Imperiled Globally or Subnationally (state)									
G2 or S2	Imperiled Globally or Subnationally (state)									
G3 or S3	Vulnerable to extirpation or extinction Globally or Subnationally (state)									
<b>California Rare Plant Rank (RPR)</b>										
RPR 1A	California Native Plant Society/CDFW listed as presumed to be extinct									
RPR 1B	California Native Plant Society/CDFW listed as rare or endangered in California and elsewhere									
RPR 2	California Native Plant Society/CDFW listed as rare or endangered in California but more common elsewhere									
RPR 3	California Native Plant Society/CDFW listed as in need of more information									
RPR 4	California Native Plant Society/CDFW listed as of limited distribution or infrequent throughout a broader area in California									
VCLIS	Locally Important Species									
<b>Other</b>										
CNDDDB	California Natural Diversity Database									

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## Nesting Bird Summary

The field survey was conducted during the nesting season, but no nests or birds exhibiting nesting behaviors were observed. The ornamental trees and shrubs associated with the cluster of existing structures in the middle of the survey area, and the structures themselves, are suitable nesting habitat for a number of bird species common in the area. The planted fields, fallow fields, and bare ground that occupy most of the remainder of the survey area are marginally suitable nesting habitat for some ground-nesting bird species. Although the value of nesting habitats in the survey area is limited by the lack of native vegetation and the high level of disturbance due to agricultural operations, nesting birds protected by the federal Migratory Bird Treaty Act and the California Fish and Game (CFG) Code 3503 do have potential to nest in the survey area.

## 3.3 Wildlife Movement and Connectivity

Wildlife movement or connectivity features, or evidence thereof, were found in the survey area.

### Connectivity Features

The survey area is not located in the Santa Monica - Sierra Madre Habitat Connectivity Corridor (Spencer et al. 2010), or in an area zoned by Ventura County as a Habitat Connectivity Wildlife Corridor. Because the survey area is developed for agriculture it is generally not attractive to wildlife. The nearest natural habitat is in Arroyo Las Posas, approximately 325 feet to the southeast on the opposite side of SR 34 and a railroad. The channelized intermittent stream on the eastern edge of the survey area (Grove’s Place Drain, W1) connects to Arroyo Las Posas and passes beneath the highway and railroad. It may serve as a minor corridor (Table 8, Figure 7) facilitating wildlife movement between Arroyo Las Posas and open space in the Santa Susana Mountains to the north of the survey area.

**Table 8 Connectivity Features**

Map Key	Type of Connectivity Feature	Description	Species Observed	Evidence	Functional Group/Species Expected	Habitats Connected	Comments
C1	Corridor	Channelized ephemeral stream with native and non-native vegetation	None	None	Mammals, birds, reptiles, amphibians	Arroyo Las Posas to the south, Santa Susana Mountains to the north	None

Figure 7 Connectivity Features



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Fig. 6 Connectivity Features

## 4 Recommended Impact Assessment and Mitigation

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### 4.1 Sufficiency of Biological Data

**Additional information needed to make CEQA findings and develop mitigation measures:** No

**Additional biology-related surveys or permits needed prior to issuance of land use permit:**

Permits would be required from the USACE, RWQCB, and CDFW for any work impacting the Grove's Place Drain (W1).

### 4.2 Impacts and Mitigation

This section includes impacts and mitigation as it pertains to the ISAG (2011) Item 4, Biological Resources. Question 4D pertaining to ESHA is not included since the project is outside the coastal zone. A section discussing General Plan Consistency consistent with question 4F has been added.

#### a. Species. Project: PS-M; Cumulative: LS

*4.A.1) Would the proposed project, directly or indirectly impact one or more plant and/or animal species by reducing the species' population, reducing the species' habitat, fragmenting its habitat, or restricting its reproductive capacity?*

The survey area is entirely within a previously developed area engaged in active agricultural production. Project development would not result in any loss of special-status species' habitat. No state- or federally-listed endangered, threatened, or special-status wildlife or plant species were observed in the survey area during the field survey. Fifty-seven special-status wildlife and plant species have been documented within 10 miles of the survey area, including state- and federally-listed endangered or threatened species (refer to Appendix One). California legless lizard, western pond turtle, and two-striped garter snake have low potential to occur in Grove's Place Drain (W1) on the eastern side of the survey area but are not expected to occur in the project footprint, which is located approximately 300 feet from that habitat. Coast horned lizard has low potential to occur in Grove's Place Drain or in a small area of grassland habitat (PC3) mapped on the western side of the survey area. It is not expected to occur in the project footprint due to the agricultural use and disturbance. Transient or overwintering individuals of burrowing owl have low potential to occur throughout most of the survey area, including the construction footprint. No nesting burrowing owls are expected to occur because the survey area is outside the current nesting range of the species.

Special-status species documented in the vicinity of the project site could occur in Arroyo Las Posas southeast of the survey area, but indirect impacts related to noise, lighting, human presence, or dust during construction and operation are not anticipated due to the distance of proposed construction activities from this habitat. Indirect impacts to fish and other aquatic species in Arroyo Las Posas as a result of sedimentation run-off would be avoided through adherence to County Stormwater Quality Management Ordinance No. 4142.

Twelve trees protected by the Ventura County Tree Protection Ordinance are present in the survey area. One is California sycamore located outside the project site. The remainder are non-native



trees with circumferences greater than 90 inches that are located primarily outside the construction footprint, except for one large Eucalyptus and Peruvian peppertree, which will be removed as part of access road improvements to the east of the project site within the easement. No construction activities would occur within the driplines and no further tree removal or trimming is proposed for the remaining trees.

Birds protected by the CFG Code and the federal Migratory Bird Treaty Act may nest in the survey area or adjacent properties. No special-status bird species are expected to nest in the survey area due to the absence of suitable nesting habitat for these species. Depending on the distance from construction activities, nesting bird species could be directly or indirectly impacted by project construction.

#### *Significance Finding – Project Impacts*

Impacts to special-status species would be less than significant because none have a moderate or greater potential to occur in the construction footprint. Potential impacts to protected nesting birds would be made less than significant with adherence to Mitigation Measure BIO-1. While not anticipated, impacts to introduced protected trees resulting from project implementation would require a ministerial tree permit, and would be considered less than significant.

#### *Significance Finding – Cumulative Impacts*

Due to developed and disturbed condition of the survey area and the lack of anticipated impacts to special-status species, the project would contribute at a less than significant level to the cumulative impact on special status species.

### **Avoidance and Minimization Measures**

#### *Mitigation Measure BIO-1: Pre-Construction Surveys for Nesting Birds*

##### **PURPOSE**

Applied to the project for consistency with CFG Code 3503 and the Migratory Bird Treaty Act regulations addressing native nesting bird protection, and CDFW directives for a 300-foot survey buffer to account for indirect impacts in adjacent suitable nesting habitat during the nesting season.

##### **REQUIREMENTS**

The Permittee shall conduct all demolition, construction, ground disturbance, or vegetation clearing activities (collectively, “construction activities”) in such a way as to avoid protected nesting birds. No construction activities shall occur on the project site during the breeding and nesting season (February 1 – August 31), or if construction activities must occur during the nesting season, a pre-activity survey shall be conducted for active bird nests (those containing eggs or nestlings, or with juvenile birds still dependent on the nest). The survey shall be conducted by a qualified biologist not more than seven days prior to the initiation of construction activities. The nesting bird survey shall cover the construction footprint plus a buffer of 100 feet, as feasible. Any active nests that are present shall be avoided until determined by the biologist to no longer be active. The biologist shall determine appropriate avoidance buffers for each nest based on species, nest location, and type of disturbance proposed in the vicinity of the nest. If construction activities are delayed after the survey has been conducted, the qualified biologist shall conduct an additional nesting bird survey

such that no more than seven days have elapsed between the last survey and the commencement of construction activities.

## DOCUMENTATION

The Permittee shall provide a signed contract with a County-approved qualified biologist to the Planning Division ensuring that a nesting bird survey will be conducted not more than seven days prior to initiation of construction activities. The Permittee shall submit a memorandum to the Planning Division within 14 days of the nesting bird survey, notifying the Planning Division of the results of the survey and measures taken to avoid nesting birds.

## TIMING

Prior to the issuance of a Zoning Clearance, the Permittee shall provide the signed contract to the Planning Division for review and approval. Within 14 days of the nesting bird survey, the Permittee shall provide a memorandum reporting the results.

## MONITORING AND REPORTING

The Permittee shall confirm with the Planning Division that a contract has been signed with a County-approved qualified biologist to implement the requirements of this condition prior to issuance of a Zoning Clearance for grading. The Planning Division maintains copies of the signed contract and the nesting bird survey report provided by the Permittee in the project file. With the implementation of Mitigation Measure BIO-1, impacts to protected nesting birds would be mitigated to a less than significant level.

## MAPPED INFORMATION

If nesting birds are located in the survey area, appropriate avoidance buffers will be marked in the field and mapped.

### **b. Ecological Communities. Project: PS-M; Cumulative: N**

#### **Sensitive Plant Communities**

*4.B.1) Temporarily or permanently remove sensitive plant communities through construction, grading, clearing, or other activities?*

Plant communities are considered special-status outside the coastal zone if designated sensitive by CDFW (CDFW 2020a) or if they are considered Locally Important by the lead agency. One sensitive plant community (giant scouring rush) is present in the survey area. It occurs in two small patches in Grove's Place Drain (W1) near the northeast corner of the project site. This vegetation is located approximately 300 feet outside the construction footprint, and no impacts direct impacts would occur as a result of project implementation.

*4.B.2) Result in indirect impacts from project operation at levels that will degrade the health of a sensitive plant community?*

Indirect impacts to the giant scouring rush community would be less than significant because no proposed construction activities would occur within 300 feet, and because run-off from the project site does not enter Grove's Place Drain (W1). Indirect impacts resulting from dust during

construction would be further reduced with adherence to dust-control measures in the Ventura County Non-Coastal Zoning Ordinance. The project landscaping plan avoids impacts from invasive plant species by selecting only landscape plants not identified as invasive by Cal-IPC (Cal-IPC 2020).

## Waters and Wetlands

*Would the proposed project:*

*4.C.1) Cause any of the following activities within waters or wetlands: removal of vegetation; grading; obstruction or diversion of water flow; change in velocity, siltation, volume of flow, or runoff rate; placement of fill; placement of structures; construction of a road crossing; placement of culverts or other unground piping; or any disturbance of the substratum?*

The study area was evaluated for waters and wetlands subject to regulatory agency jurisdiction. Potentially jurisdictional waters or wetlands are located in the project site, specifically, within Grove's Place Drain (W1) along the eastern extent of the construction footprint where road improvements will occur (refer to Figure 7). No project activities are proposed in the two other agricultural ditches (W2 and W3).

The proposed project will temporarily impact approximately 0.08 acre (281 linear feet) of streambed within RWQCB and CDFW jurisdiction, approximately 0.04 acres (281 linear feet) of wetland waters of the state within RWQCB jurisdiction, and approximately 0.04 acres (281 linear feet) of wetland and waters of the U.S. within USACE jurisdiction (Figure 5). Impacts are associated with the proposed road improvements. Therefore, impacts to waters and wetlands will result from project implementation, which constitutes a potentially significant, but mitigable impact. Implementation of the Mitigation Plan (Mitigation Measure BIO-2) will serve as compensatory mitigation for impacts to waters and wetlands at a 1:1 mitigation to impact ratio, or as approved by the resource agencies. Applicable permits shall be obtained from the appropriate federal, state and local agencies for work within Grove's Place Drain (W1) prior to project initiation. Conditions in these permits may augment or supersede Mitigation Measure BIO-2, if more stringent.

When considering the extent of the impacts to Grove's Place Drain, relative to the size of the watershed, it is unlikely that the project would result in significant impacts to the chemical, biological, and physical functions of the nearby Arroyo Las Posas. Project activities will not result in obstruction or diversion of water flow, change in velocity, siltation, volume of flow or runoff rate, placement of fill or structures that obstruct flow. Road improvements may result in temporary disturbance to vegetation and substratum; however, this drainage is maintained for agricultural purposes and regularly disturbed and impacts from project activities would be considered less than significant. Road crossing improvements may impact wetlands and the streambed within the jurisdiction of the USACE, RWQCB, and/or CDFW; therefore, appropriate permits from each agency will be required, including appropriate mitigation for impacts to wetlands.

Impacts to waters and wetlands within the project site would be mitigated by adherence to a Mitigation Plan that addresses restoration of impacted resources and minimized through adherence of agency permit measures. Any potential impacts would be further reduced through adherence to County Stormwater Quality Management Ordinance No. 4142.

*4.C.2) Result in disruptions to wetland or riparian plant communities that will isolate or substantially interrupt contiguous habitats, block seed dispersal routes, or increase vulnerability of wetland species to exotic weed invasion or local extirpation?*

Arroyo Las Posas, a seasonal stream with associated riparian vegetation, occurs approximately 425 feet south of the project site. The project would result in no direct impacts to this feature. Grove's Place Drain (W1) enters Arroyo Las Posas; however, project activities will not impact the riparian plant communities in Arroyo Las Posas. Impacts to these communities from introduction of invasive plants will be avoided by adherence to a landscaping plan that utilizes landscape plants not identified as invasive by Cal-IPC (Cal-IPC 2020). The site is not adjacent to natural areas, and development of the project would not interrupt habitat contiguity or block seed dispersal routes.

*4.C.3) Interfere with ongoing maintenance of hydrological conditions in a water or wetland?*

The proposed project would not alter the hydrology of the developed site, and therefore the project would not impact the flows of nearby waterways. Runoff from the project site would be treated in on-site stormwater detention basins. As occurs under current conditions, outflow from the basins would be released into the City of Camarillo storm drain system.

*4.C.4) Provide an adequate buffer for protecting the functions and values of existing waters or wetlands?*

All proposed construction activities would occur more than 50 feet from Grove's Place Drain (W1) and the intermittent drainage (W3) to the east of the project site, except for proposed road improvements crossing Grove's Place Drain. Due to the lack of ecological function of the man-made ephemeral ditch to the west of the project site (W2), and regular agricultural maintenance the ditch receives, no buffers are proposed. Arroyo Las Posas is located greater than 150 feet from any proposed construction activity and is separated from the project site by SR 34 and a railroad and will not be impacted by construction activities. These buffers would be adequate to attenuate indirect effects such as noise, dust, and human presence during construction, and the ecological function of the drainage features would not be affected.

*Significance Finding*

Project impacts to Grove's Place Drain (W1) will be potentially significant unless mitigation is incorporated. With adherence to Mitigation Measure BIO-2, direct and indirect impacts to waters and wetlands will be less than significant.

*Significance Finding – Cumulative Impacts*

Road improvements would replace and expand the existing stream crossing to allow for additional traffic to the proposed development. The stream crossing would continue to allow surface flow of Grove's Place Drain into the downstream Arroyo Las Posas and would not significantly impact existing habitat values and functions of either Grove's Place Drain or Arroyo Las Posas; therefore, the project would not contribute considerably to a larger cumulative impact.

## Avoidance and Minimization Measures

### Mitigation Measure BIO-2: Mitigation Plan

#### PURPOSE

To mitigate potentially significant impacts to USACE, RWQCB, and CDFW waters and wetlands as a result of road improvements across Grove's Place Drain (W1).

#### REQUIREMENTS

The Permittee shall restore herbaceous wetland communities temporarily impacted by project activities, including *Equisetum hyemale* Herbaceous Alliance and *Cynodon dactylon* – *Festuca perennis* Herbaceous Alliance, at a 1:1 mitigation to impact ratio (estimated at 0.09 acre total based on current design). The Permittee shall contract with a County-approved qualified biologist to prepare a Mitigation Plan that must include restoring these impacted communities occurring in the wetland features within the construction footprint. Planting palettes shall approximate existing species composition, except that non-native species such as *Cynodon dactylon* shall not be planted. The Mitigation Plan shall include, but not be limited to, the following components:

- A description of the purpose and goals of the mitigation project including the improvement of specific physical, chemical, and/or biological functions at the mitigation site.
- A description of the plant community type(s) and amount(s) that will be provided by the mitigation and how the mitigation method will achieve the mitigation project goals.
- A plant palette and methods of salvaging, propagating, and planting the site to be restored.
- Methods of soil preparation.
- Method and timing of irrigation.
- Best Management Practices (BMPs) that will be utilized to avoid erosion and excessive runoff before plant establishment.
- Maintenance and monitoring necessary to ensure that the restored plant communities meet the success criteria.
- Schedule for restoration activities including weed abatement, propagating and planting, soil preparation, irrigation, erosion control, qualitative and quantitative monitoring, and reporting to the County. Identification of measurable performance standards for each objective to evaluate the success of the compensatory mitigation.
- Identification of contingency and adaptive management measures to address unforeseen changes in site conditions or other components of the mitigation project.

The Mitigation Plan shall provide for monitoring to be conducted for five years or until the performance criteria are met, whichever occurs sooner. The success criteria are as follows:

- The mitigation site shall attain a native percent cover that reflects that of the target communities occurring in unimpacted reference sites;
- Nonnative species shall comprise less than five percent cover and zero percent cover of species listed as "High" on the California Invasive Plant Council's Invasive Plant Inventory Database (or its successor); and
- Irrigation of the native plantings shall cease no later than the end of the third year of restoration monitoring.

## DOCUMENTATION

The Permittee shall submit to the Planning Division for review and approval, a Mitigation Plan, prepared by a County-approved qualified biologist, that satisfies the applicable requirements of this condition. Monitoring reports shall be submitted and reviewed by the Planning Director pursuant to the schedule outlined in the approved Mitigation Plan. If success criteria are not met within the five-year monitoring period, contingency measures shall be implemented, and restoration and monitoring shall continue until success criteria are met.

## TIMING

Prior to the issuance of a Zoning Clearance, the Permittee shall submit the Mitigation Plan to the Planning Division for review and approval.

## MONITORING AND REPORTING

Permittee shall submit for Planning Division review and approval of the Mitigation Plan prior to issuing the Zoning Clearance for construction.

## MAPPED INFORMATION

Impacts to Grove's Place Drain will be mapped and overlaid with the jurisdictional limits of each regulatory agency (CDFW, RWQCB, and USACE).

### c. Habitat Connectivity (Migration Corridors). Project: LS; Cumulative: LS

*Would the proposed project:*

- 4.E.1) *Remove habitat within a wildlife movement corridor?*
- 4.E.2) *Isolate habitat?*
- 4.E.3) *Construct or create barriers that impede fish and/or wildlife movement, migration or long-term connectivity or interfere with wildlife access to foraging habitat, breeding habitat, water source, or other areas necessary for their reproduction?*

The project site is not located in a mapped wildlife corridor. Little wildlife movement is expected to occur in the project site due to the lack of native habitats and high level of disturbance. Grove's Place Drain (W1) is identified as a potential corridor for wildlife movement along the eastern edge of the survey area. However, it is located entirely outside the construction footprint. The proposed project would not remove or alter any native habitats, and the proposed development would not impede wildlife movement at a level significantly greater than the existing conditions. Therefore, the project would not isolate habitat or interfere with wildlife movement patterns.

- 4.E.4) *Intimidate fish or wildlife via the introduction of noise, light, development or increased human presence?*

During construction and operation, the project site would have increased activity, human presence, and noise that could affect wildlife. However, wildlife use of the project site is expected to be low under current conditions, as the area is developed for agriculture. Additionally, any animals occurring in the area are likely accustomed to high levels of noise and other disturbance resulting from agricultural operations. The nearest natural habitat (in Arroyo Las Posas) is approximately 325 feet to the southeast of the survey area and on the opposite side of a busy road (SR 34) and a

railroad. Grove's Place Drain (W1) is located at least 300 feet from any proposed construction activity. Due to the distance and high level of existing disturbance, the project would not significantly elevate noise, light, or human presence in these areas. Therefore, indirect impacts related to intimidation of wildlife would be less than significant.

*Significance Finding – Project Impacts*

Based on the relatively small size of the project site, the existing agricultural development, and the lack of migration corridors, no direct impacts to local or regional wildlife movement and habitat connectivity are anticipated and indirect impacts would be less than significant.

*Significance Finding – Cumulative Impacts*

Based on review of the Planning Division's list of pending and approved projects, cumulative impacts to local and regional wildlife movement and connectivity would be less than significant.

**Avoidance and Minimization Measures**

None.

**d. Consistency with Applicable General Plan Goals and Policies**

*4.F.1) Would the proposed project be consistent with the applicable General Plan Goals and Policies for Item 4 of the Initial Study Assessment Guidelines?*

The proposed project is consistent with the General Plan Goals and Policies. The project has been evaluated for potential impacts on biological resources and would not result in any significant impacts on biological resources (Policies 1.5.2-(1-8)). Although the channelized ephemeral stream (Grove's Place Drain, W1) observed in the survey area is likely subject to County regulatory jurisdiction, it is located more than 300 feet outside the proposed construction footprint.

## Site Photographs

Date & Time: Mon, May 04, 2020, 08:30:17 PDT  
Position: +034.246241° / -119.009956° (±6.0m)  
Altitude: 67m (±3.0m)  
Datum: WGS-84  
Azimuth/Bearing: 089° N89E 1582mils True (±15°)  
Elevation Angle: +00.5°  
Horizon Angle: +00.1°  
Zoom: 1.0X



**Photograph 1.** (Photo point 1) View to east showing existing structures and unpaved parking area.

Date & Time: Mon, May 04, 2020, 08:30:13 PDT  
Position: +034.246251° / -119.009964° (±6.0m)  
Altitude: 67m (±3.0m)  
Datum: WGS-84  
Azimuth/Bearing: 180° S00E 3200mils True (±15°)  
Elevation Angle: -00.6°  
Horizon Angle: -00.1°  
Zoom: 1.0X



**Photograph 2.** (Photo point 1) View to south showing an existing unpaved road, an active agricultural field on the right, and existing structures and ornamental trees on the left.



Date & Time: Mon, May 04, 2020, 09:16:47 PDT  
Position: +034.245070° / -119.010142° (±6.0m)  
Altitude: 65m (±3.0m)  
Datum: WGS-84  
Azimuth/Bearing: 358° N02W 6364mils True (±15°)  
Elevation Angle: -00.7°  
Horizon Angle: -01.9°  
Zoom: 1.0X



**Photograph 3.** (Photo point 2) View to east showing a fallow field in the foreground and an active agricultural field and existing structures in the background.

Date & Time: Mon, May 04, 2020, 09:16:55 PDT  
Position: +034.245077° / -119.010123° (±4.0m)  
Altitude: 65m (±3.0m)  
Datum: WGS-84  
Azimuth/Bearing: 178° S02E 3164mils True (±15°)  
Elevation Angle: -01.8°  
Horizon Angle: +02.2°  
Zoom: 1.0X



**Photograph 4.** (Photo point 2) View to south showing a fallow field and a fence at the western boundary of the project site.

Initial Study Biological Assessment Report  
Ventura Energy Storage LLC Project



**Photograph 5.** (Photo point 3) View to south of a drainage ditch at the western boundary of the project site.



**Photograph 6.** (Photo point 4) View to the north showing an existing unpaved road and active agricultural field in the foreground and an orchard in an adjacent property in the background.



**Photograph 7.** (Photo point 5) View to south showing an active agricultural field.



**Photograph 8.** (Photo point 6) View to north showing Grove's Place Drain at the eastern boundary of the project site.

Initial Study Biological Assessment Report  
Ventura Energy Storage LLC Project



**Photograph 9.** (Photo point 6) View to south showing existing unpaved roads, structures, and ornamental vegetation.



**Photograph 10.** (Photo point 7) View to south showing an active agricultural field in the foreground and Somis Road/SR 34 in the background.

# Appendix One

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Summary of Biological Resource Regulations (Directly From 2012 ISBA Standards)



# Summary of Biological Resource Regulations

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The Ventura County Planning Division, as “lead agency” under CEQA for issuing discretionary land use permits, uses the relationship of a potential environmental effect from a proposed project to an established regulatory standard to determine the significance of the potential environmental effect. This Appendix summarizes important biological resource regulations which are used by the Division’s biologists (consultants and staff) in making CEQA findings of significance:

- Sensitive Status Species Regulations
- Nesting Bird Regulations
- Plant Community Regulations
- Tree Regulations
- Waters and Wetlands Regulations
- Coastal Habitat Regulations
- Wildlife Migration Regulations
- Locally Important Species/Communities Regulations

## Sensitive Status Species Regulations

### *Federally Protected Species*

Ventura County is home to 29 federally-listed endangered and threatened plant and wildlife species. The United States Fish and Wildlife Service (USFWS) regulates the protection of federally-listed endangered and threatened plant and wildlife species.

### **FE (FEDERALLY ENDANGERED)**

A species that is in danger of extinction throughout all or a significant portion of its range.

### **FT (FEDERALLY THREATENED)**

A species that is likely to become endangered in the foreseeable future.

### **FC (FEDERAL CANDIDATE)**

A species for which USFWS has sufficient information on its biological status and threats to propose it as endangered or threatened under the Endangered Species Act (ESA), but for which development of a proposed listing regulation is precluded by other higher priority listing activities.

### **FSC (FEDERAL SPECIES OF CONCERN)**

A species under consideration for listing, for which there is insufficient information to support listing at this time. These species may or may not be listed in the future, and many of these species were formerly recognized as “Category-2 Candidate” species.

The USFWS requires permits for the “take” of any federally-listed endangered or threatened species. “Take” is defined by USFWS as “to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct; may include significant habitat

modification or degradation if it kills or injures wildlife by significantly impairing essential behavioral patterns including breeding, feeding, or sheltering.”

The ESA does not provide statutory protection for candidate species or species of concern, but USFWS encourages conservation efforts to protect these species. USFWS can set up voluntary Candidate Conservation Agreements and Assurances, which provide non-federal landowners (public and private) with the assurance that if they implement various conservation activities to protect a given candidate species, they will not be subject to additional restrictions if the species becomes listed under the ESA.

### *State Protected Species*

The California Department of Fish and Wildlife (CDFW) regulates the protection of endangered, threatened, and fully protected species listed under the California Endangered Species Act. Some species may be jointly listed under the state and federal Endangered Species Acts.

### **SE (CALIFORNIA ENDANGERED)**

A native species or subspecies which is in serious danger of becoming extinct throughout all, or a significant portion, of its range due to one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, or disease.

### **ST (CALIFORNIA THREATENED)**

A native species or subspecies that, although not presently threatened with extinction, is likely to become an endangered species in the foreseeable future in the absence of the special protection and management efforts required by this chapter. Any animal determined by the commission as “rare” on or before January 1, 1985, is a “threatened species.”

### **SFP (CALIFORNIA FULLY PROTECTED SPECIES)**

This designation originated from the State’s initial effort in the 1960s to identify and provide additional protection to those animals that were rare or faced possible extinction. Lists were created for fish, mammals, amphibians, reptiles, and birds. Most fully protected species have also been listed as threatened or endangered species under the more recent endangered species laws and regulations.

### **SR (CALIFORNIA RARE)**

A species, subspecies, or variety of plant is rare under the Native Plant Protection Act when, although not presently threatened with extinction, it is in such small numbers throughout its range that it may become endangered if its present environment worsens. Animals are no longer listed as rare; all animals listed as rare before 1985 have been listed as threatened.

### **SSC (CALIFORNIA SPECIES OF SPECIAL CONCERN)**

Animals that are not listed under the California Endangered Species Act, but which nonetheless 1) are declining at a rate that could result in listing, or 2) historically occurred in low numbers and known threats to their persistence currently exist.

The CDFW requires permits for the “take” of any State-listed endangered or threatened species. Section 2080 of the California Fish and Game Code prohibits “take” of any species that the California



Fish and Game Commission determines to be endangered or threatened. “Take” is defined in Section 86 of the California Fish and Game Code as “hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill.”

The California Native Plant Protection Act protects endangered and rare plants of California. Section 1908, which regulates plants listed under this Act, states: “no person shall import into this state, or take, possess, or sell within this state, except as incident to the possession or sale of the real property on which the plant is growing, any native plant, or any part or product thereof, that the commission determines to be an endangered native plant or rare native plant, except as otherwise provided in this chapter.”

Unlike endangered, threatened, and rare species, for which a take permit may be issued, California Fully Protected species may not be taken or possessed at any time and no licenses or permits may be issued for their take except for collecting these species for necessary scientific research and relocation of the bird species for the protection of livestock.

The California Endangered Species Act does not provide statutory protection for California species of special concern, but they should be considered during the environmental review process.

#### *California Rare Plant Ranks (RPR)*

Plants with 1A, 1B, 2 or 4 should always be addressed in CEQA documents. Plants with an RPR 3 do not need to be addressed in CEQA documents unless there is sufficient information to demonstrate that an RPR 3 plant meets the criteria to be listed as an RPR 1, 2, or 4.

#### **RPR 1A**

Plants presumed to be extinct because they have not been seen or collected in the wild in California for many years. This list includes plants that are both presumed extinct in California, as well as those plants which are presumed extirpated in California. A plant is extinct in California if it no longer occurs in or outside of California. A plant that is extirpated from California has been eliminated from California, but may still occur elsewhere in its range.

#### **RPR 1B**

Plants that are rare throughout their range with the majority of them endemic to California. Most of the plants of List 1B have declined significantly over the last century.

#### **RPR 2**

Plants that are rare throughout their range in California but are more common beyond the boundaries of California. List 2 recognizes the importance of protecting the geographic range of widespread species.

Plants identified as RPR 1A, 1B, and 2 meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code and are eligible for state listing.

#### **RPR 3**

A review list for plants for which there is inadequate information to assign them to one of the other lists or to reject them.

## RPR 4

A watch list for plants that are of limited distribution in California.

### *Global and Subnational Rankings*

Though not associated directly with legal protections, species have been given a conservation status rank by NatureServe, an international non-profit conservation organization that is the leading source for information about rare and endangered species and threatened ecosystems. The Ventura County Planning Division considers the following ranks as sensitive for the purposes of CEQA impact assessment (G = Global, S = Subnational or State):

- G1 or S1: Critically Imperiled
- G2 or S2: Imperiled
- G3 or S3: Vulnerable to extirpation or extinction

### *Locally Important Species*

Locally important species' protections are addressed below under "Locally Important Species/Communities Regulations."

For lists of some of the species in Ventura County protected by the above regulations, go to [http://www.ventura.org/rma/planning/ceqa/bio\\_resource\\_review.html](http://www.ventura.org/rma/planning/ceqa/bio_resource_review.html).

## **Migratory Bird Regulations**

The federal Migratory Bird Treaty Act (MBTA) and the California Fish and Game (CFG) Code (3503, 3503.5, 3511, 3513 and 3800) protect most native birds. In addition, the federal and state endangered species acts protect some bird species listed as threatened or endangered. Project-related impacts to birds protected by these regulations would normally occur during the breeding season, because unlike adult birds, eggs and chicks are unable to escape impacts.

The MBTA implements various treaties and conventions between the United States and Canada, Japan, Mexico, and Russia for the protection of migratory birds, which occur in two of these countries over the course of one year. The Act maintains that it is unlawful to pursue, hunt, take, capture or kill; attempt to take, capture or kill; possess, offer to or sell, barter, purchase, deliver or cause to be shipped, exported, imported, transported, carried or received any migratory bird, part, nest, egg or product, manufactured or not. Bird species protected under the provisions of the MBTA are identified by the List of Migratory Birds (Title 50 of the Code of Federal Regulations, Section 10.13 as updated by the 1983 American Ornithologists' Union (AOU) Checklist and published supplements through 1995 by the USFWS).

CFG Code 3513 upholds the MBTA by prohibiting any take or possession of birds that are designated by the MBTA as migratory nongame birds except as allowed by federal rules and regulations promulgated pursuant to the MBTA. In addition, there are CFG Codes (3503, 3503.5, 3511, and 3800) which further protect nesting birds and their parts, including passerine birds, raptors, and state "fully protected" birds.

NOTE: These regulations protect almost all *native nesting birds*, not just sensitive status birds.

## Plant Community Regulations

Plant communities are provided legal protection when they provide habitat for protected species or when the community is in the coastal zone and qualifies as environmentally sensitive habitat area (ESHA).

### *Global and Subnational Rankings*

Though not associated directly with legal protections, plant communities have been given a conservation status rank by NatureServe, an international non-profit conservation organization that is the leading source for information about rare and endangered species and threatened ecosystems. The Ventura County Planning Division considers the following ranks as sensitive for the purposes of CEQA impact assessment (G = Global, S = Subnational or State):

- G1 or S1: Critically Imperiled
- G2 or S2: Imperiled
- G3 or S3: Vulnerable to extirpation or extinction

### *CDFW Rare*

Rare natural communities are those communities that are of highly limited distribution. These communities may or may not contain rare, threatened, or endangered species. Though the Native Plant Protection Act and the California Endangered Species Act provide no legal protection to plant communities, CDFW considers plant communities that are ranked G1-G3 or S1-S3 (as defined above) to be rare or sensitive, and therefore these plant communities should be addressed during CEQA review.

### *Environmentally Sensitive Habitat Areas*

The Coastal Act specifically calls for protection of “environmentally sensitive habitat areas” or ESHA, which it defines as: “Any area in which plant or animal life or their habitats are either rare or especially valuable because of their special nature or role in an ecosystem and which could be easily disturbed or degraded by human activities and developments” (Section 30107.5).

ESHA has been specifically defined in the Santa Monica Mountains. For ESHA identification in this location, the California Coastal Commission, the agency charged with administering the Coastal Act, has described the habitats that are considered ESHA. A memo from a Coastal Commission biologist that describes ESHA in the Santa Monica Mountains can be found at:  
[http://www.ventura.org/rma/planning/ceqa/bio\\_resource\\_review.html](http://www.ventura.org/rma/planning/ceqa/bio_resource_review.html).

### *Locally Important Communities*

The Ventura County Initial Study Assessment Guidelines defines a locally important community as one that is considered by qualified biologists to be a quality example characteristic of or unique to the County or region, with this determination being made on a case-by-case basis. The County has not developed a list of locally important communities, but has deemed oak woodlands to be a locally important community through the County’s *Oak Woodland Management Plan*.

## Tree Regulations

Selected trees are protected by the Ventura County Tree Protection Ordinance, found in Section 8107-25 of the Ventura County Non-Coastal Zoning Ordinance. This ordinance, which applies in the

unincorporated areas of the County outside the coastal zone, regulates—through a tree permit program—the removal, trimming of branches or roots, or grading or excavating within the root zone of a "protected tree." Individual trees are the focus of the ordinance, while oak woodlands are additionally protected as "locally important communities.

The ordinance allows removal of five protected trees (only three of which can be oaks or sycamores; none of which can be heritage or historical trees) through a ministerial permit process. Removal of more/other than this may trigger a discretionary tree permit.

If a proposed project cannot avoid impacts to protected trees, mitigation of these impacts (such as replacement of lost trees) is addressed through the tree permit process—unless the impacts may affect biological resources beyond the tree itself, such as to sensitive status species that may be using the tree, nesting birds, the tree's role as part of a larger habitat, etc. These secondary impacts have not been addressed through the tree permit program and must be addressed by the biologist in the biological assessment in accordance with the California Environmental Quality Act (CEQA).

A tree permit does not, however, substitute as mitigation for impacts to oak woodlands. The Public Resources Code requires that when a county is determining the applicability of CEQA to a project, it must determine whether that project "may result in a conversion of oak woodlands that will have a significant effect on the environment." If such effects (either individual impacts or cumulative) are identified, the law requires that they be mitigated. Acceptable mitigation measures include, but are not limited to, conservation of other oak woodlands through the use of conservation easements and planting replacement trees, which must be maintained for seven years. In addition, only 50% of the mitigation required for significant impacts to oak woodlands may be fulfilled by replanting oak trees.

The following trees are protected in the specified zones. Girth is measured at 4.5 feet from the midpoint between the uphill and downhill side of the root crown.

**Protected Trees**

Common Name/Botanical Name (Genus species)	Girth Standard (circumference in inches)	Applicable Zones	
		All Base Zones	SRP1
Alder ( <i>Alnus</i> all species)	9.5		X
Ash ( <i>Fraxinus</i> all species)	9.5		X
Bay ( <i>Umbellularia californica</i> )	9.5		X
Cottonwood ( <i>Populus</i> all species)	9.5		X
Elderberry ( <i>Sambucus</i> all species)	9.5		X
Big Cone Douglas Fir ( <i>Pseudotsuga macrocarpa</i> )	9.5		X
White Fir ( <i>Abies concolor</i> )	9.5		X
Juniper ( <i>Juniperus californica</i> )	9.5		X
Maple ( <i>Acer macrophyllum</i> )	9.5		X
Oak (Single) ( <i>Quercus</i> all species)	9.5	X	X
Oak (Multi) ( <i>Quercus</i> all species)	6.25	X	X
Pine ( <i>Pinus</i> all species)	9.5		X
Sycamore ( <i>Platanus</i> all species)	9.5	X	X
Walnut ( <i>Juglans</i> all species)	9.5		X
Historical Tree <sup>3</sup> (any species)	(any size)	X	X
Heritage Tree <sup>4</sup> (any species)	90.0	X	X

X Indicates the zones in which the subject trees are considered protected trees.

<sup>1</sup> SRP - Scenic Resource Protection Overlay Zone

<sup>2</sup> SHP - Scenic Highway Protection Overlay Zone

<sup>3</sup> Any tree or group of trees identified by the County or a city as a landmark, or identified on the Federal or California Historic Resources Inventory to be of historical or cultural significance, or identified as contributing to a site or structure of historical or cultural significance.

<sup>4</sup> Any species of tree with a single trunk of 90 or more inches in girth or with multiple trunks, two of which collectively measure 72 inches in girth or more. Species with naturally thin trunks when full grown or naturally large trunks at an early age, or trees with unnaturally enlarged trunks due to injury or disease must be at least 60 feet tall or 75 years old.

**Waters and Wetlands Regulations**

Numerous agencies control what can and cannot be done in or around streams and wetlands. If a project affects an area where water flows, ponds or is present even part of the year, it is likely to be regulated by one or more agencies. Many wetland or stream projects will require three main permits or approvals (in addition to CEQA compliance). These are:

- 404 Permit (United States Army Corps of Engineers)
- 401 Certification (Regional Water Quality Control Board)
- Streambed Alteration Agreement (California Department of Fish and Wildlife)

For a more thorough explanation of wetland permitting, see the Ventura County’s “Wetland Project Permitting Guide” at [http://www.ventura.org/rma/planning/ceqa/bio\\_resource\\_review.html](http://www.ventura.org/rma/planning/ceqa/bio_resource_review.html).

#### *404 Permit (United States Army Corps of Engineers)*

Most projects that involve streams or wetlands will require a 404 Permit from the United States Army Corps of Engineers (USACE). Section 404 of the federal Clean Water Act is the primary federal program regulating activities in wetlands. The Act regulates areas defined as “waters of the United States.” This includes streams, wetlands in or next to streams, areas influenced by tides, navigable waters, lakes, reservoirs and other impoundments. For nontidal waters, USACE jurisdiction extends up to what is referred to as the “ordinary high water mark” as well as to the landward limits of adjacent Corps-defined wetlands, if present. The ordinary high water mark is an identifiable natural line visible on the bank of a stream or water body that shows the upper limit of typical stream flow or water level. The mark is made from the action of water on the streambank over the course of years.

**Permit Triggers:** A USACE 404 Permit is triggered by moving (discharging) or placing materials—such as dirt, rock, geotextiles, concrete or culverts—into or within USACE jurisdictional areas. This type of activity is also referred to as a “discharge of dredged or fill material.”

#### *401 Certification (Regional Water Quality Control Board)*

If your project requires a USACE 404 Permit, then you will also need a Regional Water Quality Control Board (RWQCB) 401 Certification. The federal Clean Water Act, in Section 401, specifies that states must certify that any activity subject to a permit issued by a federal agency, such as the USACE, meets all state water quality standards. In California, the state and regional water boards are responsible for certification of activities subject to USACE Section 404 Permits.

#### **PERMIT TRIGGER**

A RWQCB 401 Certification is triggered whenever a USACE 404 Permit is required, or whenever an activity could cause a discharge of dredged or fill material into waters of the U.S. or wetlands.

#### *Streambed Alteration Agreement (California Department of Fish and Game)*

If your project includes alteration of the bed, banks or channel of a stream, or the adjacent riparian vegetation, then you may need a Streambed Alteration Agreement from the California Department of Fish and Wildlife (CDFW). The California Fish and Game Code, Sections 1600-1616, regulates activities that would alter the flow, bed, banks, channel or associated riparian areas of a river, stream or lake. The law requires any person, state or local governmental agency or public utility to notify CDFW before beginning an activity that will substantially modify a river, stream or lake.

#### **PERMIT TRIGGERS**

A Streambed Alteration Agreement (SAA) is triggered when a project involves altering a stream or disturbing riparian vegetation, including any of the following activities:

- Substantially obstructing or diverting the natural flow of a river, stream or lake
- Using any material from these areas
- Disposing of waste where it can move into these areas

Some projects that involve routine maintenance may qualify for long-term maintenance agreements from CDFG. Discuss this option with CDFG staff.

### *Ventura County General Plan*

The Ventura County General Plan contains policies which also strongly protect wetland habitats.

Biological Resources Policy 1.5.2-3 states:

Discretionary development that is proposed to be located within 300 feet of a marsh, small wash, intermittent lake, intermittent stream, spring, or perennial stream (as identified on the latest US Geological Survey 7½ minute quad map), shall be evaluated by a County approved biologist for potential impacts on wetland habitats. Discretionary development that would have a significant impact on significant wetland habitats shall be prohibited, unless mitigation measures are adopted that would reduce the impact to a less than significant level; or for lands designated “Urban” or “Existing Community”, a statement of overriding considerations is adopted by the decision-making body.

Biological Resources Policy 1.5.2-4 states:

Discretionary development shall be sited a minimum of 100 feet from significant wetland habitats to mitigate the potential impacts on said habitats. Buffer areas may be increased or decreased upon evaluation and recommendation by a qualified biologist and approval by the decision-making body. Factors to be used in determining adjustment of the 100 foot buffer include soil type, slope stability, drainage patterns, presence or absence of endangered, threatened or rare plants or animals, and compatibility of the proposed development with the wildlife use of the wetland habitat area. The requirement of a buffer (setback) shall not preclude the use of replacement as a mitigation when there is no other feasible alternative to allowing a permitted use, and if the replacement results in no net loss of wetland habitat. Such replacement shall be “in kind” (i.e. same type and acreage), and provide wetland habitat of comparable biological value. On site replacement shall be preferred wherever possible. The replacement plan shall be developed in consultation with California Department of Fish and Game.

## **Coastal Habitat Regulations**

Ventura County’s Coastal Area Plan and the Coastal Zoning Ordinance, which constitute the “Local Coastal Program” (LCP) for the unincorporated portions of Ventura County’s coastal zone, ensure that the County’s land use plans, zoning ordinances, zoning maps, and implemented actions meet the requirements of, and implement the provisions and polices of California’s 1976 Coastal Act at the local level.

### *Environmentally Sensitive Habitats*

The Coastal Act specifically calls for protection of “environmentally sensitive habitat areas” or ESHA, which it defines as: “Any area in which plant or animal life or their habitats are either rare or especially valuable because of their special nature or role in an ecosystem and which could be easily disturbed or degraded by human activities and developments” (Section 30107.5).

Section 30240 of the Coastal Act states:

- (a) “Environmentally sensitive habitat areas shall be protected against any significant disruption of habitat values, and only uses dependent on such resources shall be allowed within such areas.”

- (b) “Development in areas adjacent to environmentally sensitive habitat areas and parks and recreation areas shall be sited and designed to prevent impacts which would significantly degrade such areas, and shall be compatible with the continuance of such habitat areas.”

There are three important elements to the definition of ESHA. First, a geographic area can be designated ESHA either because of the presence of individual species of plants or animals or because of the presence of a particular habitat. Second, in order for an area to be designated as ESHA, the species or habitat must be either rare or it must be especially valuable. Finally, the area must be easily disturbed or degraded by human activities.

Protection of ESHA is of particular concern in the southeastern part of Ventura County, where the coastal zone extends inland (~5 miles) to include an extensive area of the Santa Monica Mountains. For ESHA identification in this location, the Coastal Commission, the agency charged with administering the Coastal Act, has described the habitats that are considered ESHA. A memo from a Coastal Commission biologist that describes ESHA in the Santa Monica Mountains can be found at: [http://www.ventura.org/rma/planning/ceqa/bio\\_resource\\_review.html](http://www.ventura.org/rma/planning/ceqa/bio_resource_review.html).

The County’s Local Coastal Program outlines other specific protections to environmentally sensitive habitats in the Coastal Zone, such as to wetlands, riparian habitats, dunes, and upland habitats within the Santa Monica Mountains (M Overlay Zone). Protections in some cases are different for different segments of the coastal zone.

Copies of the Coastal Area Plan and the Coastal Zoning Ordinance can be found at: <http://www.ventura.org/rma/planning/Programs/local.html>.

## **Wildlife Migration Regulations**

The Ventura County General Plan specifically includes wildlife migration corridors as an element of the region’s significant biological resources. In addition, protecting habitat connectivity is critical to the success of special-status species and other biological resource protections. Potential project impacts to wildlife migration are analyzed by biologists on a case-by-case basis. The issue involves both a macro-scale analysis—where routes used by large carnivores connecting very large core habitat areas may be impacted—as well as a micro-scale analysis—where a road or stream crossing may impact localized movement by many different animals.

## **Locally Important Species/Communities Regulations**

Locally important species/communities are considered to be significant biological resources in the Ventura County General Plan.

### *Locally Important Species*

The Ventura County General Plan defines a Locally Important Species as a plant or animal species that is not an endangered, threatened, or rare species, but is considered by qualified biologists to be a quality example or unique species within the County and region. The following criteria further define what local qualified biologists have determined to be Locally Important Species:

### **LOCALLY IMPORTANT ANIMAL SPECIES CRITERIA**

Taxa for which habitat in Ventura County is crucial for their existence either globally or in Ventura County. This includes:



- Taxa for which the population(s) in Ventura County represents 10 percent or more of the known extant global distribution; or
- Taxa for which there are five or fewer *element occurrences*, or less than 1,000 individuals, or less than 2,000 acres of habitat that sustains populations in Ventura County; or,
- Native taxa that are generally declining throughout their range or are in danger of extirpation in Ventura County.

#### LOCALLY IMPORTANT PLANT SPECIES CRITERIA

- Taxa that are declining throughout the extent of their range AND have five (5) or fewer element occurrences in Ventura County.

The County maintains a list of locally important species, which can be found on the Planning Division website at: [http://www.ventura.org/rma/planning/ceqa/bio\\_resource\\_review.html](http://www.ventura.org/rma/planning/ceqa/bio_resource_review.html). *This list should not be considered comprehensive.* Any species that meets the criteria qualifies as locally important, whether or not it is included on this list.

#### *Locally Important Communities*

The Ventura County Initial Study Assessment Guidelines defines a locally important community as one that is considered by qualified biologists to be a quality example characteristic of or unique to the County or region, with this determination being made on a case-by-case basis. The County has not developed a list of locally important communities. Oak woodlands have however been deemed by the Ventura County Board of Supervisors to be a locally important community.

The state passed legislation in 2001, the Oak Woodland Conservation Act, to emphasize that oak woodlands are a vital and threatened statewide resource. In response, the County of Ventura prepared and adopted an Oak Woodland Management Plan that recommended, among other things, amending the County's Initial Study Assessment Guidelines to include an explicit reference to oak woodlands as part of its definition of locally important communities. The Board of Supervisors approved this management plan and its recommendations.

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# Appendix Two

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Observed Species Tables



## Species Observed in the Survey Area

Scientific Name	Common Name	Native	Notes
<b>Plants</b>			
<i>Agapanthus</i> sp.	lily of the Nile	No	W1 drainage
<i>Agrostis</i> sp.	bentgrass		
<i>Apium graveolens</i>	celery	No	agricultural crop
<i>Avena barbata</i>	slender wild oats	No	western survey buffer only
<i>Avena fatua</i>	wildoats	No	western survey buffer only
<i>Baccharis salicifolia</i>	mulefat	Yes	western survey buffer and W1 drainage
<i>Bacopa monnieri</i>	water hyssop	No	western survey buffer only
<i>Brassica nigra</i>	black mustard	No	
<i>Brassica oleracea</i>	cabbage	No	agricultural crop
<i>Bromus catharticus</i>	rescue grass	Yes	W1 drainage
<i>Bromus madritensis</i> ssp. <i>rubens</i>	red brome	No	
<i>Capsella bursa-pastoris</i>	Shepherd's purse	No	
<i>Cercis occidentalis</i>	western redbud	Yes	western survey buffer only
<i>Chenopodium murale</i>	nettle leaf goosefoot	No	
<i>Citrus</i> sp.	orange tree	No	near existing residences and in northern survey buffer
<i>Cissus antarctica</i>	Kangaroo vine	No	western survey buffer only
<i>Conium maculatum</i>	poison hemlock	No	W1 drainage
<i>Convolvulus arvensis</i>	field bindweed	No	
<i>Cucurbita</i> sp.	squash	No	agricultural crop
<i>Cynodon dactylon</i>	Bermuda grass	No	W1 drainage
<i>Epilobium ciliatum</i>	smooth willowherb	Yes	W1 drainage
<i>Equisetum hyemale</i> ssp. <i>affine</i>	giant scouring rush	Yes	W1 drainage
<i>Erigeron bonariensis</i>	flax-leaved horseweed	No	
<i>Erigeron canadensis</i>	Canada horseweed	No	
<i>Eucalyptus globulus</i>	blue gum	No	near existing residences
<i>Euphorbia serpens</i>	matted sandmat	No	W1 drainage
<i>Festuca perennis</i>	Italian wild rye	No	W1 drainage
<i>Fragaria × ananassa</i>	strawberry	No	agricultural crop
<i>Helianthus annuus</i>	sunflower	Yes	garden variety
<i>Helminthotheca echioides</i>	bristly oxtongue	No	western survey buffer only
<i>Hordeum murinum</i>	foxtail barley	No	western survey buffer and W1 drainage
<i>Lactuca serriola</i>	prickly lettuce	No	
<i>Lepidium didymum</i>	lesser swine cress	No	
<i>Malva nicaeensis</i>	bull mallow	No	western survey buffer only
<i>Malva parviflora</i>	cheeseweed	No	
<i>Medicago lupina</i>	black medick	No	western survey buffer only
<i>Medicago polymorpha</i>	bur clover	No	
<i>Melilotus albus</i>	white sweetclover	No	W1 drainage
<i>Melilotus indicus</i>	sweet clover	No	western survey buffer only

Initial Study Biological Assessment Report  
 Ventura Energy Storage LLC Project

Scientific Name	Common Name	Native	Notes
<i>Musa sp.</i>	plantain	No	near existing residences
<i>Myoporum laetum</i>	myoporum tree	No	near existing residences
<i>Nerium oleander</i>	oleander	No	W1 drainage
<i>Nicotiana glauca</i>	tree tobacco	No	W1 drainage
<i>Persea americana</i>	avocado tree	No	near existing residences
<i>Platanus racemosa</i>	western sycamore	Yes	One tree in western survey buffer, dbh 7.5 inches, planted
<i>Polygonum aviculare ssp. depressum</i>	prostrate knotweed	No	
<i>Polypogon monspeliensis</i>	annual beard grass	No	W1 drainage
<i>Portulaca oleracea</i>	purslane	No	
<i>Ricinus communis</i>	castor bean	No	W1 drainage
<i>Rosa sp.</i>	garden rose	No	near existing residences
<i>Rumex crispus</i>	curly dock	No	W1 drainage
<i>Salsola tragus</i>	Russian thistle	No	
<i>Schinus molle</i>	Peruvian pepper tree	No	near existing residences
<i>Schinus terebinthifolia</i>	Brazilian pepper tree	No	near existing residences
<i>Senecio vulgaris</i>	common groundsel	No	
<i>Solanum americanum</i>	common nightshade	Yes	
<i>Solanum lycopersicum</i>	tomato	No	
<i>Sonchus oleraceus</i>	common sow thistle	No	
<i>Tribulus terrestris</i>	puncture vine	No	
<i>Tropaeolum majus</i>	garden nasturtium	No	W1 drainage
<i>Washingtonia robusta</i>	Mexican fan palm	No	
<b>Insects</b>			
<i>Eleodes sp.</i>	stink beetle	Yes	
<i>Vanessa cardui</i>	painted lady	Yes	
<b>Birds</b>			
<i>Calypte anna</i>	Anna's humminbird	Yes	
<i>Corvus brachyrhynchos</i>	American crow	Yes	
<i>Corvus corax</i>	common raven	Yes	
<i>Haemorhous mexicanus</i>	house finch	Yes	
<i>Melospiza melodia</i>	song sparrow	Yes	
<i>Sialia mexicana</i>	western bluebird	Yes	
<i>Spinus psaltria</i>	lesser goldfinch	Yes	

# Attachment A

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Species Documented by CNDDDB within 10 Miles of the Proposed Project





### Species Documented by CNDDDB within 10 Miles of the Proposed Project

Scientific Name	Common Name	Status	Habitat Requirements
<b>Plants</b>			
<i>Astragalus brauntonii</i>	Braunton's milk-vetch	FE/None G2/S2 1B.1	Chaparral, coastal scrub, and valley and foothill grassland. Recent burns or disturbed areas. Usually on sandstone with carbonate layers. Elevations between sea level and 2,100 feet.
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson's saltscale	None/None G5T1/S1 1B.2	Coastal scrub and coastal bluff scrub. Alkaline soils. Elevations between 30 and 700 feet.
<i>Calochortus clavatus</i> var. <i>gracilis</i>	slender mariposa-lily	None/None G4T2T3/S2S3 1B.2	Chaparral, coastal scrub, and valley and foothill grassland. Elevations between 1,000 and 3,300 feet.
<i>Calochortus plummerae</i>	Plummer's mariposa-lily	None/None G4/S4 4.2	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and valley and foothill grassland. Granitic, rocky soils. Elevations between 300 and 5,600 feet.
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	None/None G3T2/S2 1B.1	Margins of marshes and swamps, vernal mesic valley and foothill grassland, and vernal pools. Elevations between sea level 1,600 feet.
<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya	None/None G3T2/S2 1B.1	Coastal scrub, coastal bluff scrub, and valley and foothill grassland. Open, rocky slopes; often in shallow clays over serpentine or in rocky areas with little soil. Elevations between 15 and 1,500 feet.
<i>Dudleya cymosa</i> ssp. <i>marcescens</i>	marcescent dudleya	FT/CR G5T2/S2 1B.2	Chaparral. Volcanic, rocky soils. Elevations between 500 and 1,700 feet.
<i>Dudleya parva</i>	Conejo dudleya	FT/None G1/S1 1B.2	Coastal scrub and valley and foothill grassland. In clay or volcanic soils on rocky slopes and grassy hillsides. Elevations between 200 and 1,500 feet.
<i>Dudleya verityi</i>	Verity's dudleya	FT/None G1/S1 1B.1	Chaparral, cismontane woodland, and coastal scrub. Volcanic, rocky soils. Elevation between 150 and 400 feet.
<i>Eriogonum crocatum</i>	conejo buckwheat	None/CR G1/S1 1B.2	Chaparral, coastal scrub, and valley and foothill grassland. Conejo volcanic outcrops and other rocky sites. Elevations between 150 and 2,000 feet.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	None/None G4T1/S1 1B.1	Maritime chaparral, cismontane woodland, and coastal scrub. Sandy or gravelly soils. Elevations between 200 and 2,700 feet.
<i>Lupinus paynei</i>	Payne's bush lupine	None/None G1Q/S1 1B.1	Coastal scrub, riparian scrub, valley and foothill grassland. Sandy soils. Elevations between 700 and 1,400 feet.
<i>Monardella hypoleuca</i> ssp. <i>hypoleuca</i>	white-veined monardella	None/None G4T3/S3 1B.1	Chaparral and cismontane woodland. Elevations between 150 and 5,000 feet.
<i>Monardella sinuata</i> ssp. <i>gerryi</i>	Gerry's curly-leaved monardella	None/None G3T1/S1 1B.1	Sandy openings in coastal scrub. Elevations between 500 and 800 feet.
<i>Navarretia ojaiensis</i>	Ojai navarretia	None/None G2/S2 1B.1	Openings in chaparral, coastal scrub, and valley and foothill grassland. Elevations between 800 and 2,000 feet.
<i>Orcuttia californica</i>	California Orcutt grass	FE/CE G1/S1 1B.1	Vernal pools. Elevations between 50 and 2,200 feet.

Initial Study Biological Assessment Report  
Ventura Energy Storage LLC Project

Scientific Name	Common Name	Status	Habitat Requirements
<i>Pentachaeta lyonii</i>	Lyon's pentachaeta	FE/CE G1/S1 1B.1	Chaparral, valley and foothill grassland, and coastal scrub. Edges of clearings in chaparral, usually at the ecotone between grassland and chaparral or edges of firebreaks. Elevations between 100 and 2,100 feet.
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco	None/None G4/S2 2B.2	Chaparral, cismontane woodland, coastal scrub, and riparian woodland. Sandy, gravelly soils. Elevations between sea level and 7,000 feet.
<i>Quercus dumosa</i>	Nuttall's scrub oak	None/None G3/S3 1B.1	Closed-cone coniferous forest, chaparral, and coastal scrub. Sandy and clay loam soils. Elevations between 50 and 1,300 feet.
<i>Senecio aphanactis</i>	chaparral ragwort	None/None G3/S2 2B.2	Chaparral, cismontane woodland, and coastal scrub. Drying alkaline flats. Elevations between 50 and 2,700 feet.
<i>Texosporium sancti-jacobi</i>	woven-spored lichen	None/None G3/S1 3	Openings in chaparral. On soil, small mammal pellets, dead twigs, and on <i>Selaginella</i> spp. Elevations between 200 and 2,200 feet.
<b>Invertebrates</b>			
<i>Bombus crotchii</i>	Crotch bumble bee	None/SC G3G4/S1S2	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include <i>Antirrhinum</i> , <i>Phacelia</i> , <i>Clarkia</i> , <i>Dendromecon</i> , <i>Eschscholzia</i> , and <i>Eriogonum</i> .
<i>Danaus plexippus</i> pop. 1	monarch - California overwintering population	None/None G4T2T3/S2S3	Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.
<i>Panoquina errans</i>	wandering (=saltmarsh) skipper	None/None G4G5/S2	Southern California coastal salt marshes. Requires moist saltgrass for larval development.
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	Endangered/None G1G2/S1S2	Endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales/earth slump basins in grassland and coastal sage scrub. Inhabits seasonally astatic pools filled by winter/spring rains. Hatches in warm water later in the season.
<i>Trimerotropis occidentiloides</i>	Santa Monica grasshopper	None/None G1G2/S1S2	Known only from the Santa Monica Mountains. Found on bare hillsides and along dirt trails in chaparral.
<b>Fish</b>			
<i>Catostomus santaanae</i>	Santa Ana sucker	Threatened/None G1/S1	Endemic to Los Angeles Basin south coastal streams. Habitat generalists, but prefer sand-rubble-boulder bottoms, cool, clear water, and algae.
<i>Gasterosteus aculeatus williamsoni</i>	unarmored threespine stickleback	Endangered/Endangered G5T1/S1 FP	Weedy pools, backwaters, and among emergent vegetation at the stream edge in small Southern California streams. Cool, clear water with abundant vegetation.

Species Documented by CNDDDB within 10 Miles of the Proposed Project

Scientific Name	Common Name	Status	Habitat Requirements
<i>Gila orcuttii</i>	arroyo chub	None/None G2/S2 SSC	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave & San Diego river basins. Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.
<i>Oncorhynchus mykiss irideus</i> pop. 10	steelhead - southern California DPS	Endangered/None G5T1Q/S1	Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County). Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions.
<b>Amphibians</b>			
<i>Spea hammondi</i>	western spadefoot	None/None G3/S3 SSC	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.
<b>Reptiles</b>			
<i>Anniella</i> spp.	California legless lizard	None/None G3G4/S3S4 SSC	Contra Costa County south to San Diego, within a variety of open habitats. This element represents California records of <i>Anniella</i> not yet assigned to new species within the <i>Anniella pulchra</i> complex. Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.
<i>Anniella stebbinsi</i>	southern California legless lizard	None/None G3/S3 SSC	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County. Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.
<i>Arizona elegans occidentalis</i>	California glossy snake	None/None G5T2/S2 SSC	Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.
<i>Aspidoscelis tigris stejnegeri</i>	coastal whiptail	None/None G5T5/S3 SSC	Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland & riparian areas. Ground may be firm soil, sandy, or rocky.
<i>Diadophis punctatus modestus</i>	San Bernardino ringneck snake	None/None G5T2T3/S2?	Most common in open, relatively rocky areas. Often in somewhat moist microhabitats near intermittent streams. Avoids moving through open or barren areas by restricting movements to areas of surface litter or herbaceous vegetation.
<i>Emys marmorata</i>	western pond turtle	None/None G3G4/S3 SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6,000 feet elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 mile from water for egg-laying.

Initial Study Biological Assessment Report  
Ventura Energy Storage LLC Project

Scientific Name	Common Name	Status	Habitat Requirements
<i>Phrynosoma blainvillii</i>	coast horned lizard	None/None G3G4/S3S4 SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.
<i>Thamnophis hammondi</i>	two-striped gartersnake	None/None G4/S3S4 SSC	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 feet elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.
<i>Thamnophis sirtalis</i> pop. 1	south coast gartersnake	None/None G5T1T2/S1S2 SSC	Contra Costa County south to San Diego, within a variety of open habitats. This element represents California records of <i>Anniella</i> not yet assigned to new species within the <i>Anniella pulchra</i> complex. Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.
<b>Birds</b>			
<i>Agelaius tricolor</i>	tricolored blackbird	None/Threatened G2G3/S1S2 SSC	Highly colonial species, most numerous in Central Valley & vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.
<i>Aimophila ruficeps canescens</i>	southern California rufous-crowned sparrow	None/None G5T3/S3 WL	Resident in Southern California coastal sage scrub and sparse mixed chaparral. Frequents relatively steep, often rocky hillsides with grass and forb patches.
<i>Aquila chrysaetos</i>	golden eagle	None/None G5/S3 FP	Rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.
<i>Athene cunicularia</i>	burrowing owl	None/None G4/S3 SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.
<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	Threatened/Endangered G5T2T3/S1	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.
<i>Elanus leucurus</i>	white-tailed kite	None/None G5/S3S4 FP	Rolling foothills and valley margins with scattered oaks & river bottomlands or marshes next to deciduous woodland. Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.
<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	Endangered/Endangered G5T2/S1	Riparian woodlands in Southern California.
<i>Eremophila alpestris actia</i>	California horned lark	None/None G5T4Q/S4 WL	Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills. Short-grass prairie, bald hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats.

Species Documented by CNDDDB within 10 Miles of the Proposed Project

Scientific Name	Common Name	Status	Habitat Requirements
<i>Falco peregrinus anatum</i>	American peregrine falcon	Delisted/Delisted G4T4/S3S4 FP	Near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human-made structures. Nest consists of a scrape or a depression or ledge in an open site.
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	None/Endangered G5T3/S3	Inhabits coastal salt marshes, from Santa Barbara south through San Diego County. Nests in Salicornia on and about margins of tidal flats.
<i>Poliottila californica californica</i>	coastal California gnatcatcher	Threatened/None G4G5T2Q/S2 SSC	Obligate, permanent resident of coastal sage scrub below 2,500 feet in Southern California. Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.
<i>Riparia riparia</i>	bank swallow	None/Threatened G5/S2	Colonial nester; nests primarily in riparian and other lowland habitats west of the desert. Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, ocean to dig nesting hole.
<i>Setophaga petechia</i>	yellow warbler	None/None G5/S3S4 SSC	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.
<i>Vireo bellii pusillus</i>	least Bell's vireo	Endangered/Endangered G5T2/S2	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2,000 feet. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, <i>Baccharis</i> , mesquite.
<b>Mammals</b>			
<i>Antrozous pallidus</i>	pallid bat	None/None G5/S3 SSC	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	None/None G5T3T4/S3S4 SSC	Coastal scrub of Southern California from San Diego County to San Luis Obispo County. Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.
<i>Taxidea taxus</i>	American badger	None/None G5/S3 SSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.

Initial Study Biological Assessment Report  
**Ventura Energy Storage LLC Project**

Scientific Name	Common Name	Status	Habitat Requirements
FE	Federally Endangered		
FT	Federally Threatened		
SE	California Endangered		
ST	California Threatened		
SC	California Candidate		
SSC	California Species of Special Concern		
WL	Watch List		
FP	Fully Protected, CDFW		
<b>CDFW/NatureServe Rank</b>			
G1 or S1	Critically Imperiled Globally or Subnationally (state)		
G2 or S2	Imperiled Globally or Subnationally (state)		
G3 or S3	Vulnerable to extirpation or extinction Globally or Subnationally (state)		
<b>California Rare Plant Rank (RPR)</b>			
RPR 1A	California Native Plant Society/CDFG listed as presumed to be extinct		
RPR 1B	California Native Plant Society/CDFG listed as rare or endangered in California and elsewhere		
RPR 2	California Native Plant Society/CDFG listed as rare or endangered in California but more common elsewhere		
RPR 3	California Native Plant Society/CDFG listed as in need of more information.		
RPR 4	California Native Plant Society/CDFG listed as of limited distribution or infrequent throughout a broader area in California.		
VCLIS	Locally Important Species		