

**SAN BERNARDINO COUNTY  
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION  
ENVIRONMENTAL CHECKLIST FORM**

This form and the descriptive information in the application package constitute the contents of Initial Study pursuant to County Guidelines under Ordinance 3040 and Section 15063 of the State CEQA Guidelines.

**PROJECT LABEL:**

<b>APNs:</b>	0466-021-01-0000	<b>USGS Quad:</b>	Wild Crossing (1973, photorevised 1993)
<b>Applicant :</b>	Lockheed Martin Aeronautics Company 1011 Lockheed Way Palmdale, CA 93599	<b>T, R, Section</b>	<b>T08N, R04W, Section 04</b>
<b>Location</b>	17452-Wheeler Road, Helendale, CA 92342	<b>Thomas Bros</b>	
<b>Project No</b>	P201900193	<b>Community Plan:</b>	None
<b>Rep</b>	Tetra Tech, Inc. 301 E. Vanderbilt Way, Suite 450 San Bernardino, CA 92408	<b>LUZD:</b>	Resource Conservation (RC)
<b>Proposal</b>	Construction of a new 19,395-square foot warehouse	<b>Overlays:</b>	None

**PROJECT CONTACT INFORMATION:**

**Lead Agency:** County of San Bernardino  
Land Use Services Department  
385 N. Arrowhead Avenue, 1<sup>st</sup> Floor  
San Bernardino, CA 92415-0182

**Contact Person:** Ms. Suzanne Peterson  
**Phone No:** (909) 387-4739    **Fax No:** (909) 387-3223  
**E-mail:** [Suzanne.Peterson@lus.sbcounty.gov](mailto:Suzanne.Peterson@lus.sbcounty.gov)

**Project Sponsor** Ms. Reenu Ko  
Lockheed Martin Aeronautics Company  
1011 Lockheed Way  
Palmdale, CA 93599

**PROJECT DESCRIPTION:**

**PROJECT LOCATION**

The proposed warehouse project is located within Assessor Parcel Number (APN) 0466-021-01 in the southern region of the Helendale Radar Measurement Facility (HRMF), a fenced facility located at 17452-Wheeler Road, Helendale, California, 92342 in San Bernardino County. (Figure 1). The facility is located on approximately 9 square miles (5,760 acres) of land, 5 miles north of the community of Helendale and just west of the Mojave River. The entrance to the HRMF is from Wheeler Road. Based on the topographic map, the property is located at approximately 2,500 feet above mean sea level (USGS, Wild Crossing 7.5 Quadrangle, 1973, Photo revised in

1993). The regional topographic gradient in the area is toward the south. The proposed project would be constructed in an area of the property that was likely disturbed during construction of the facility in the early 1980's. Since then, no disturbance of the project area has occurred, and native desert plants have become established and matured.

## PROJECT BACKGROUND

The HRMF is a Lockheed Martin Aeronautics Company facility that is used to test radar signatures of various models. The HRMF began operation in the early 1980's and is currently comprised of a main operation complex and a 7,500-foot paved test range with three in-line measurement positions identified as pits due to their location underground characteristics. The HRMF is under 24-hour active security and regular patrols around the facility are conducted. The proposed action is to construct a new 19,395-square foot temperature-controlled secure warehouse which would be used to store models used for testing at the HRMF (Figure 1).

## PROJECT CHARACTERISTICS

The project would consist of constructing a 19,395-square foot warehouse to be designated as Building 944 with a proposed height of 64 feet, 7 inches (Figure 2). The main purpose of the proposed project is to create additional working and storage space to support current operations. The construction activities include earthwork, grading, paving, and construction of a pre-engineered building with attached utility building, offices and bathrooms. The building would be equipped with power, compressed air, a 15-ton crane, high volume air conditioning (HVAC), electrical power distribution, building automation, access control, security alarms, fire alarms, and a fire suppression system. The building would require utility connections to data, telephone, electrical (high voltage), natural gas, domestic water, and a new septic system. Construction of the warehouse and associated pavement would result in a total of approximately 1.96 acres of permanent impacts to desert habitat. Additional temporary impacts would occur as a result of construction of the septic system, stormwater management and drainage and other associated facilities.

### Construction Schedule

Construction of Building 944 is proposed to begin in January 2020 and conclude in October 2020. Construction would occur Monday through Friday, 6:00 AM to 2:30 PM but possibly during all daylight hours depending on the time of the year. No work would occur at night or on weekends. The following is an overview of construction-related activities, the estimated number of days to complete each activity and number of estimated personnel required for the activity.

Activity	Days	Number of Site Personnel
Site Preparation	6	6
Grading	1	5
Building/Structure Construction	200-225	20-30
Trenching	20-30	6-8
Paving	3	5

The following equipment would be used during construction of Building 944:

- DC dozer
- Water trucks
- Bottom dumper
- Street sweepers
- 966 loader
- 140H blade scraper
- Scissor lifts
- Fork lifts
- Boom lifts
- Skip loaders
- Back hoes
- Concrete trucks
- Roller compactor
- Rubber tire roller

A total of 16,209 cubic yards of fill would be used during construction and would be acquired from soil that was stockpiled during the excavation and construction of Pit 3 in the early 1980's (Figure 3). The soil would be excavated, loaded and transported along an existing dirt road parallel to the test range to the project site (Figure 3).

**Operations and Maintenance Activities**

Once construction is complete, the warehouse would be used to store large test articles and models. When required, test articles would be moved with appropriate lifts to testing locations within the range using existing paved roads. Routine maintenance at Building 944 would include crane testing and routine maintenance of hangar door and equipment within the warehouse such as the air conditioning system.

**Surrounding Land Uses and Setting**

The following is a summary of existing land uses and zoning district for the project and adjacent areas to the project.

Existing Land Use and Land Use Zoning Districts		
Location	Existing Land Use	Land Use Zoning District
<b>Project Site</b>	Industrial	RC-Resource Conservation
North	Undeveloped lands	RC-Resource Conservation
South	Rural residential	RL-Rural Living 1, du/2.5
East	Undeveloped lands	RC-Resource Conservation
West	Undeveloped lands	RC-Resource Conservation

du: Dwelling Units

**ADDITIONAL APPROVAL REQUIRED BY OTHER PUBLIC AGENCIES**

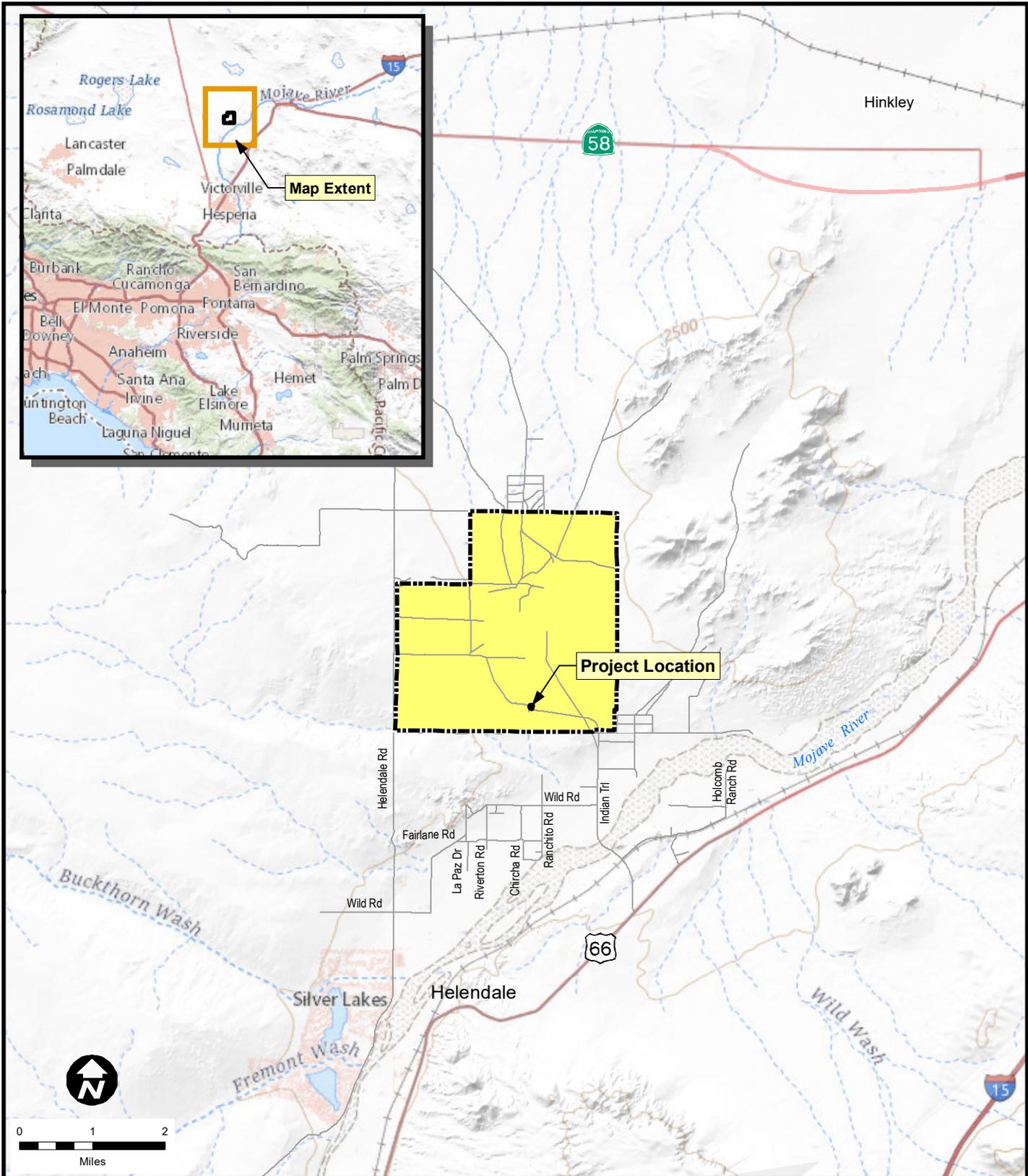
Federal: None

State of California: None

County of San Bernardino: Land Use Services Department-Building and Safety, Public Health-Environmental Health Services, Special Districts, and Public Works

Regional: Mojave Desert Air Quality Management District

Local: None

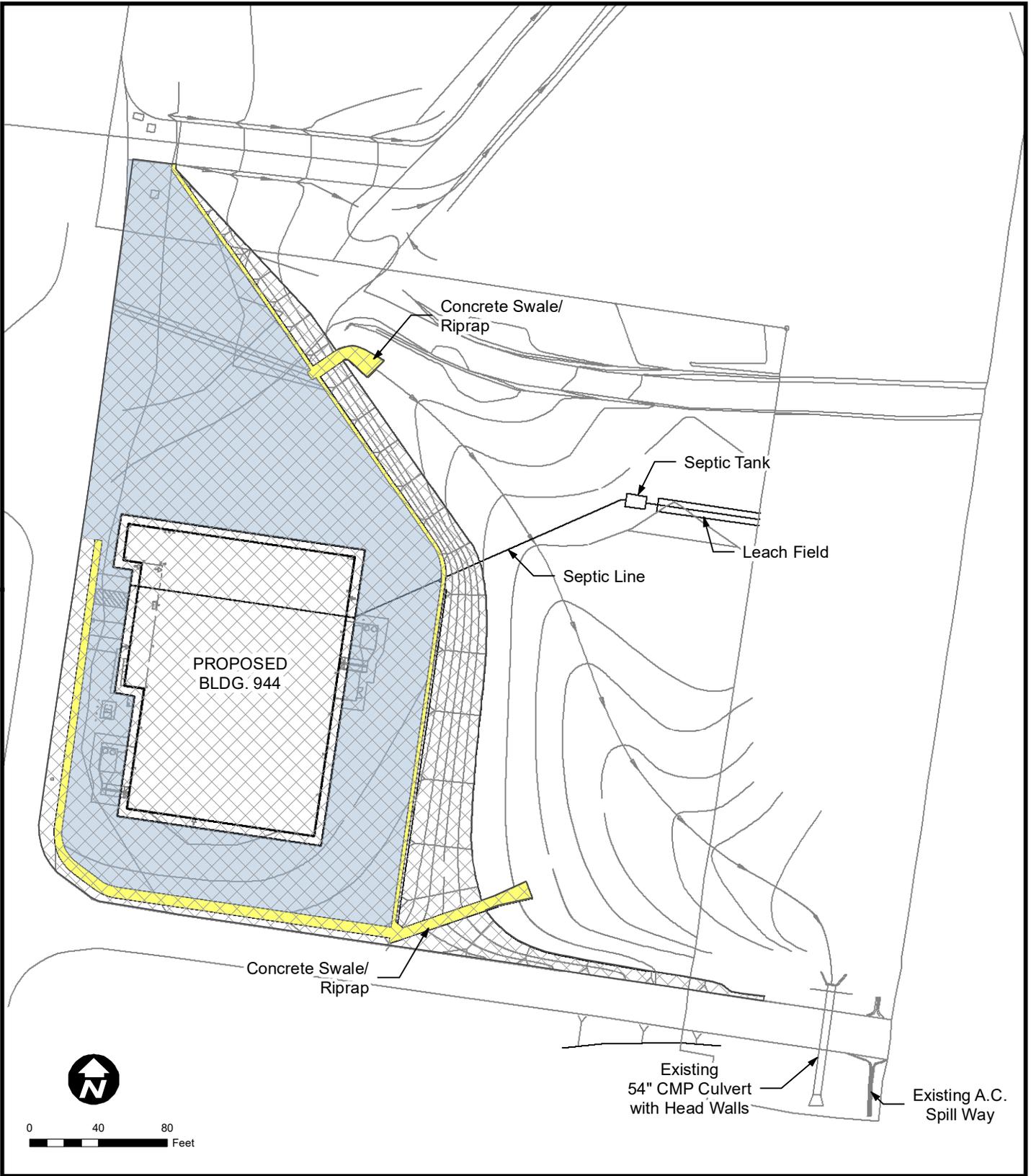


Helendale Radar Measurement Facility  
 Lockheed Martin Aeronautics  
 Proposed Warehouse Construction Project

**Figure 1**  
**Regional Setting**



 Helendale Radar Measurement Facility Boundary

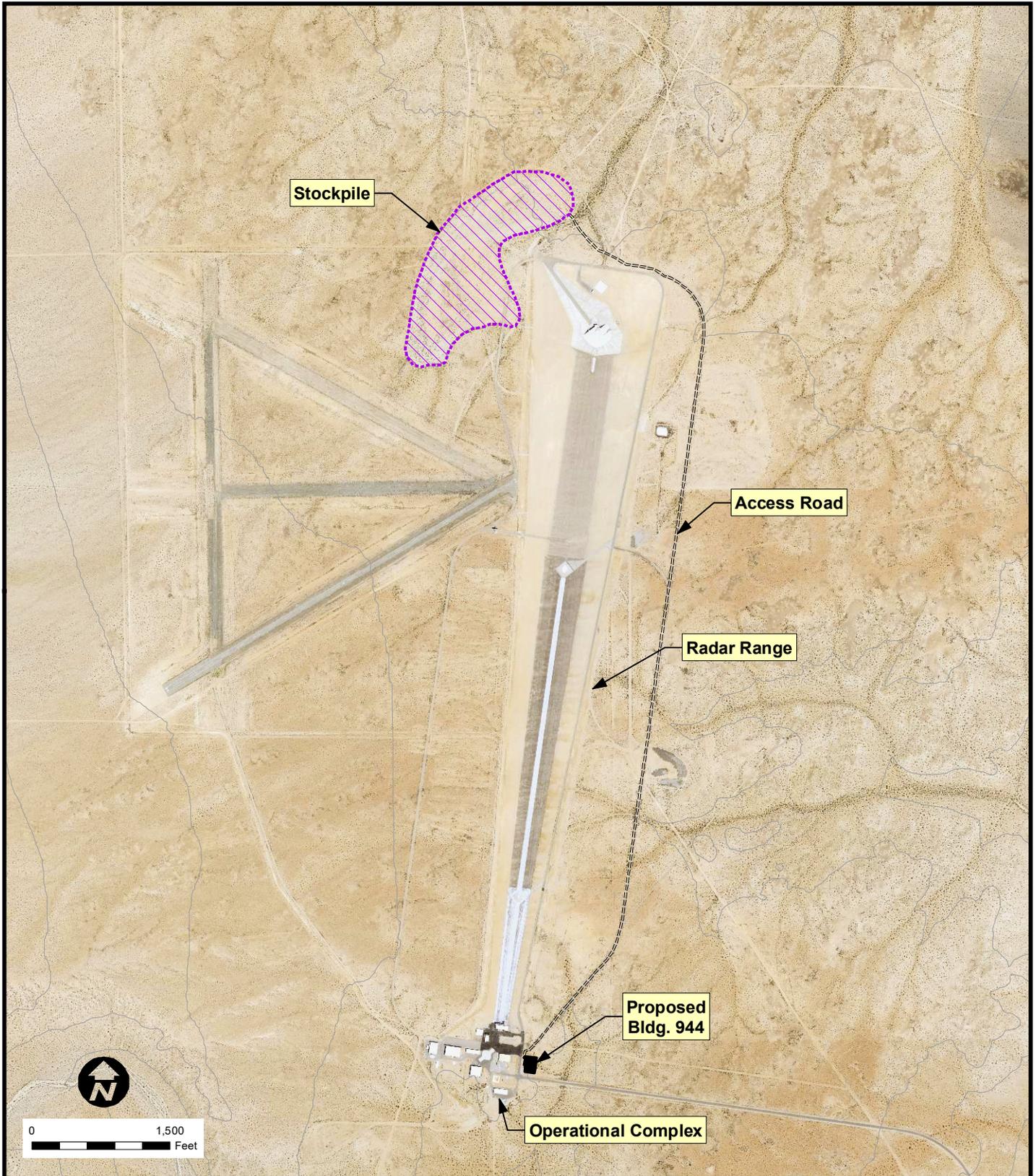


-  Permanent Impacts (1.96 acres)
-  Asphalt (43,659 sq. ft./~1.0 acre)
-  Concrete (3,980 sq. ft./~0.09 acre)

Helendale Radar Measurement Facility  
Lockheed Martin Aeronautics  
Proposed Warehouse Construction Project

**Figure 2**  
**Site Plan**





Stockpile Location



Proposed Building Location

Helendale Radar Measurement Facility  
Lockheed Martin Aeronautics  
Proposed Warehouse Construction Project

**Figure 3**  
**Soil Stockpile**  
**Location**

**Site Photographs**  
**Proposed Warehouse Construction Project**  
**Helendale Radar Measurement Facility**



**Photograph 1:**

**View of the project study area from the northwestern corner. View to the southeast.**



**Photograph 2:**

**View of project study area from the southwestern corner. View to the northeast.**



**Site Photographs**  
**Proposed Warehouse Construction Project**  
**Helendale Radar Measurement Facility**



**Photograph 3:**

**View of the project study area from an adjacent dirt road on the northeastern side of the study area. View to the southeast.**



**Photograph 4:**

**View of the project study area. View to the southeast.**



## **CONSULTATION WITH CALIFORNIA NATIVE AMERICAN TRIBES**

Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

On September 13, 2019, the County of San Bernardino initiated Consultation with Native American tribes that have traditional and cultural affiliations with the region that includes the project area. Tribal consultation was concluded on December 9, 2019. Section XVII, Tribal Cultural Resources, provides details on the consultation process. Mitigations to reduce impact to tribal resources to a less than significant level are identified in Section V, Cultural Resources and Section XVII.

Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21083.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

## **EVALUATION FORMAT**

This Initial Study is prepared in compliance with the California Environmental Quality Act (CEQA) pursuant to Public Resources Code Section 21000, et seq. and the State CEQA Guidelines (California Code of Regulations Section 15000, et seq.). Specifically, the preparation of an Initial Study is guided by Section 15063 of the State CEQA Guidelines. This format of the study is presented as follows. The project is evaluated based on its effect on 20 major categories of environmental factors. Each factor is reviewed by responding to a series of questions regarding the impact of the project on each element of the overall factor. The Initial Study checklist provides a formatted analysis that provides a determination of the effect of the project on the factor and its elements. The effect of the project is categorized into one of the following four categories of possible determinations:

Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant	No Impact
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Substantiation is then provided to justify each determination. One of the four following conclusions is then provided as a summary of the analysis for each of the major environmental factors.

1. **No Impact:** No impacts are identified or anticipated and no mitigation measures are required.
2. **Less than Significant Impact:** No significant adverse impacts are identified or anticipated and no mitigation measures are required.
3. **Less than Significant Impact with Mitigation Incorporated:** Possible significant adverse impacts have been identified or anticipated and the following mitigation measures are required as a condition of project approval to reduce these impacts to a level below significant. The required mitigation measures are: (List of mitigation measures)

4. **Potentially Significant Impact:** Significant adverse impacts have been identified or anticipated. An Environmental Impact Report (EIR) is required to evaluate these impacts, which are (List of the impacts requiring analysis within the EIR).

At the end of the analysis the required mitigation measures are restated and categorized as being either self- monitoring or as requiring a Mitigation Monitoring and Reporting Program.

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below will be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> <a href="#">Aesthetics</a>                | <input type="checkbox"/> <a href="#">Agriculture and Forestry Resources</a> | <input type="checkbox"/> <a href="#">Air Quality</a>                        |
| <input type="checkbox"/> <a href="#">Biological Resources</a>      | <input type="checkbox"/> <a href="#">Cultural Resources</a>                 | <input type="checkbox"/> <a href="#">Energy</a>                             |
| <input type="checkbox"/> <a href="#">Geology/Soils</a>             | <input type="checkbox"/> <a href="#">Greenhouse Gas Emissions</a>           | <input type="checkbox"/> <a href="#">Hazards &amp; Hazardous Materials</a>  |
| <input type="checkbox"/> <a href="#">Hydrology/Water Quality</a>   | <input type="checkbox"/> <a href="#">Land Use/Planning</a>                  | <input type="checkbox"/> <a href="#">Mineral Resources</a>                  |
| <input type="checkbox"/> <a href="#">Noise</a>                     | <input type="checkbox"/> <a href="#">Population/Housing</a>                 | <input type="checkbox"/> <a href="#">Public Services</a>                    |
| <input type="checkbox"/> <a href="#">Recreation</a>                | <input type="checkbox"/> <a href="#">Transportation</a>                     | <input type="checkbox"/> <a href="#">Tribal Cultural Resources</a>          |
| <input type="checkbox"/> <a href="#">Utilities/Service Systems</a> | <input type="checkbox"/> <a href="#">Wildfire</a>                           | <input type="checkbox"/> <a href="#">Mandatory Findings of Significance</a> |

**DETERMINATION:** (To be completed by the Lead Agency)

On the basis of this initial evaluation, the following finding is made:

<input type="checkbox"/>	The proposed project <b>COULD NOT</b> have a significant effect on the environment, and a <b>NEGATIVE DECLARATION</b> shall be prepared.
<input checked="" type="checkbox"/>	Although the proposed project could have a significant effect on the environment, there shall not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A <b>MITIGATED NEGATIVE DECLARATION</b> shall be prepared.
<input type="checkbox"/>	The proposed project <b>MAY</b> have a significant effect on the environment, and an <b>ENVIRONMENTAL IMPACT REPORT</b> is required.
<input type="checkbox"/>	The proposed project <b>MAY</b> have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An <b>ENVIRONMENTAL IMPACT REPORT</b> is required, but it must analyze only the effects that remain to be addressed.
<input type="checkbox"/>	Although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or <b>NEGATIVE DECLARATION</b> pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or <b>NEGATIVE DECLARATION</b> , including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

  
 Signature: (Suzanne Peterson, Planner)

02/25/2020  
 Date

  
 Signature: (Chris Warrick, Supervising Planner)

02/25/2020  
 Date

Issues	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
<b>I. AESTHETICS</b> – Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare, which will adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**SUBSTANTIATION:** (Check  if project is located within the view-shed of any Scenic Route listed in the General Plan):  
**San Bernardino General Plan, 2007; Submitted Project Materials**

- a) **No Impact.** The project site is undeveloped previously disturbed desert habitat. There are no unique or unusual features on the project site or within adjacent industrial development. The warehouse height will be a maximum height of 64 feet, 7 inches and of similar height to existing warehouses within the facility. The closest scenic vista is found associated with Historic Route 66/National Trails Highway located more than three miles to the east. As a result of the distance and intervening topography between the proposed project area and Route 66/National Trails Highway, no impact to the traveling public view would occur. No impact would occur, and no mitigation is required.
- b) **No Impact.** The proposed project would not substantially damage scenic resources including but not limited to trees, rock outcropping, and historic buildings within a state scenic highway. The closest scenic highway is Route 66/National Trails Highway is more than three miles to the east. No impact would occur, and no mitigation is required.
- c) **Less than Significant.** The project may be visible to residences living on the southern border of the larger facility boundary. The new warehouse would be consistent with

existing facility structures and would not be a unique design or character. The closest residence is 0.4 miles to the southwest of the project area. As a result of the distance and intervening topography between the proposed project area and the closest residence, a less than significant impact would occur.

- d) **No Impact.** The proposed project would be used to store test articles. No substantial lighting would be required for the warehouse and would not cause a new source of substantial light or glare, which will adversely affect day or nighttime views in the area. No impacts would occur, and no mitigation is required.

**Therefore, no significant adverse impacts to aesthetics are identified or anticipated, and no mitigation measures are required.**

	<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>II.</b>	<b>AGRICULTURE AND FORESTRY RESOURCES</b> - In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland) as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- |    |   |                          |                          |                          |                                     |
|----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) | Result in the loss of forest land or conversion of forest land to non-forest use?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) | Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**SUBSTANTIATION:** (Check  if project is located in the Important Farmlands Overlay):

**San Bernardino County General Plan, 2007; California Department of Conservation Farmland Mapping and Monitoring Program**

a-e) **No Impact.** The proposed project site is not identified or designated as Prime Farmlands, Unique Farmland, or Farmland of Statewide Importance as identified California Department of Conservation (2019). There are no agricultural uses at the site or the surrounding portion of the property. The project area and adjacent facilities are not under a Williamson Act land conservation contract. The proposed project will not conflict with existing zoning or cause rezoning of forest land as the project site is not zone forest land and is not timberland as defined by Public Resources Code section 4562, or timberland zone Timberland Protection. The site will not result in the loss of forest land or the conversion of forest land to non-forest use as the proposed project site is not forest land. No impacts would occur, and no mitigation is proposed.

**Therefore, no significant adverse impacts to agriculture and forestry resources are identified or anticipated and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>	
<b>III. AIR QUALITY</b> - Where available, the significance criteria established by the applicable air quality management district or air pollution control district might be relied upon to make the following determinations. Would the project:					
a)	Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?)

**SUBSTANTIATION:** *(Discuss conformity with the Mojave Desert Air Quality Management Plan, if applicable):*

**San Bernardino County General Plan, 2007; Appendix A**

- a) **Less than Significant Impact.** To pursue improvement of air quality in the San Bernardino County portion of the Mojave Desert Air Quality Management District (MDAQMD), the MDAQMD has prepared a set of attainment plans, which present comprehensive pollution control strategies aimed at attaining San Bernardino County's ozone standards as required by the Clean Air Act Amendments of 1990. These strategies are developed, in part, based on regional population, housing, and employment projections reflected in local general plans. A project is consistent with local air quality plans if it is consistent with the local general plan. A proposed project would be inconsistent with a general plan if it resulted in a land use re-designation, causing a general plan amendment and an increase in population beyond what is budgeted.

The proposed project site is located in the Helendale area of the Desert Region within San Bernardino County. The land use of the proposed project site is designated as Resource Conservation (RC) in the County of San Bernardino General Plan and Title 8 of the San Bernardino County Code, which includes national parks, military bases, conservation, areas and land owned by federal and state agencies. The proposed project would not result in either a land use re-designation nor an increase in population. A maximum of 20 to 30 workers would be employed during construction of the warehouse. The main purpose of the proposed project is to create additional working and storage space to support current operations. Thus, construction and operation of the proposed project would not conflict with MDAQMD air quality plans. Since the proposed project is consistent with the County of San Bernardino's General Plan, a less than significant impact would occur. No mitigations are required.

- b) **Less than Significant Impact.** CEQA defines cumulative impacts as "two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts" (14 CCR Section 15355).

The intent of the proposed project is to add working space with increase to neither work force nor operation activities. The proposed project will generate temporary emissions of criteria pollutants during its construction stage but will not add significant emissions to current operations. Construction activities and emissions will be temporary and will stop once the proposed project is completed. Operation emissions would be minimal and result only from energy used (e.g., heating) and upkeep maintenance conducted (e.g., touch up architectural coating) at Building 944 and repair of paved areas.

Air emissions resulting from construction and operation activities of the proposed project were calculated based on a scenario where each equipment piece in each phase runs simultaneously. This approach assumes maximum daily operating time for all equipment assigned in each construction phase (e.g., Site Preparation, Grading, and Paving). Construction emissions were calculated using the California Emissions Estimator Model (CalEEMod). CalEEMod is widely accepted to provide a uniform platform to estimate potential emissions resulting from construction and operation activities of land use projects.

The model uses pre-programed algorithms to calculate emissions based on data entered. The algorithms are designed to take information such as project size; construction length; vehicle and equipment types; number of vehicle trips and lengths; and equipment operating hours to calculate emissions of criteria pollutants and greenhouse gases. Emission calculations provided in this document factor dust control measures such as those prescribed in MDAQMD Rule 403.2 and off-road vehicles using on average Tier 3 engines.

CalEEMod input values and calculated air emission results for the proposed project are provided as Appendix A and summarized in Tables 1 and 2.

**Table 1  
 Project Construction Emissions of Criteria Pollutants**

<b>Project Phase</b>	<b>VOCs</b>	<b>NOx</b>	<b>CO</b>	<b>SOx</b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>
Construction 2021 Annual (tons)/Daily (lbs)	0.3/48.8	1.3/27.2	1.2/14.9	0.0/0.1	0.1/3.1	0.1/1.8
Threshold of Significance Annual (tons)/Daily (lbs)	25/137	25/137	100/548	25/137	15/82	15/82
Significant?	No	No	No	No	No	No

Notes: CO carbon monoxide  
 lbs pounds  
 NOx oxides of nitrogen (nitric oxide and nitrogen dioxide)  
 PM<sub>10</sub> respirable particulate matter less than 10 microns in diameter  
 PM<sub>2.5</sub> respirable particulate matter less than 2.5 microns in diameter  
 SOx oxides of sulfur (sulfur dioxide and sulfur trioxide)  
 VOCs volatile organic compounds

Construction emissions of the proposed project do not exceed the MDAQMD established daily thresholds.

**Table 2  
 Project Operation Emissions of Criteria Pollutants**

<b>Project Phase</b>	<b>VOCs</b>	<b>NOx</b>	<b>CO</b>	<b>SOx</b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>
Operation Annual (tons)/Daily (lbs)	0.1/0.6	0.0/0.2	0.0/0.1	0.0/0.0	0.0/0.0	0.0/0.0
Threshold of Significance Annual (tons)/Daily (lbs)	25/137	25/137	100/548	25/137	15/82	15/82
Significant?	No	No	No	No	No	No

Notes: CO carbon monoxide  
 lbs pounds  
 NOx oxides of nitrogen (nitric oxide and nitrogen dioxide)  
 PM<sub>10</sub> respirable particulate matter less than 10 microns in diameter  
 PM<sub>2.5</sub> respirable particulate matter less than 2.5 microns in diameter  
 SOx oxides of sulfur (sulfur dioxide and sulfur trioxide)  
 VOCs volatile organic compounds

Operation emissions of the proposed project do not exceed the MDAQMD established daily thresholds.

Construction and operation emissions from the proposed project will contribute to overall emissions from construction and operation of other projects in the area. However, the project contributions neither impact emissions budgeted in the General Plan nor exceed MDAQMD established thresholds. A less than significant impact would occur. No mitigations are required.

- c) **Less than Significant Impact.** The proposed project is not expected to expose sensitive receptors to substantial pollutant concentration during its construction and operation. During construction, emissions from off-road vehicles will be generated but odors associated with these emissions are temporary and not anticipated to impact workers in nearby buildings. Operation of the proposed project would not create either additional operation activity, processes, and odors. A less than significant impact would occur. No mitigations are required.
- d) **Less than Significant Impact.** Construction and operation of the proposed project is not anticipated to create objectionable odors, and sources of objectionable odors are not identified near the proposed project site. A less than significant impact would occur. No mitigations are required.

**Therefore, no significant adverse impacts to air quality are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>IV. BIOLOGICAL RESOURCES - Would the project:</b>				
a) Have substantial adverse effects, either directly or through habitat modifications, on any species identified as a candidate, sensitive or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- |    |  |                          |                          |                          |                                     |
|----|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) | Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) | Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**SUBSTANTIATION:** (Check if project is located in the Biological Resources Overlay or contains habitat for any species listed in the California Natural Diversity Database ):

**2019 Habitat Reconnaissance Survey (Appendix B), 2007 Biological Opinion for the HRMF (Appendix C)**

- a) **Less than Significant with Mitigations Incorporated.** The project area is undeveloped and supports relatively undisturbed native habitat that is dominated by creosote (*Larrea tridentata*) and burro bush (*Ambrosia dumosa*) scattered across the landscape. During construction of the HRMF in the early 1980's, the study area was disturbed, likely during the construction of adjacent paved roads found on the southern and eastern borders of the study area.

In 2011, focused surveys for desert tortoise (*Gopherus agassizii*), a federal and state listed as threatened reptile, was conducted May 9 through 17, 2011 at the entire 5,760-acre HRMF property (Tetra Tech, Inc. 2011). The HRMF is located adjacent to, but outside the Fremont Kramer Desert Wildlife Management Area (DWMA). The Fremont Kramer DWMA provides habitat for threatened or endangered species such as desert tortoise. Desert tortoise have been undergoing a decline in population due to a number of factors. These include loss or destruction of habitat, killing or harming of animals in the wild, collection of individual animals, raven predation and disease. The California Department of Fish and Wildlife listed the tortoise as threatened on June 22, 1989. The tortoise was emergency listed as endangered by the United States Fish and Wildlife (USFWS) on August 4, 1989. The USFWS listing was later changed to threatened. Both listings were made on the basis of declining populations due to the factors listed above. The discovery that the tortoise was rapidly disappearing throughout its range as a result of a disease known as Upper Respiratory Disease Syndrome (URDS) was a critical part of the listing decisions.

Focused surveys for desert tortoise of the entire HRMF (which included the project area for the proposed warehouse) resulted in the documentation of 130 live tortoises and 479 active burrows. Observations of active tortoise sign were evenly distributed throughout the undeveloped area of the HRMF although slightly higher concentrations of tortoise sign were evident in regions that are a greater distance from development and regular human activity.

Focused burrowing owl surveys were conducted simultaneously with the May 2011 desert tortoise surveys. The focused surveys identified a total of 12 live burrowing owls and approximately 57 active burrows with recent burrowing owl sign (whitewash with

pellets, and/or prey remains). One burrow contained an active nest of burrowing owl fledglings.

Special status plants that were incidentally observed at the HRMF included Mojave fish hook cactus (*Sclerocactus polyancistrus*), Mojave spineflower (*Chorizanthe spinosa*) and Beaver dam breadroot (*Pediomelum castoreum*). None of the special status plants observed during the survey are federal or state listed species. Special status wildlife species observed at the HRMF during the 2011 survey included loggerhead shrike (*Lanius ludovicianus*), LeConte's thrasher (*Toxostoma lecontei*), and prairie falcon (*Falco mexicanus*).

The 2011 survey concluded that based on the presence of suitable habitat, other special-status wildlife that have a potential to occur at the HRMF included the following:

- Mohave ground squirrel (*Xerospermophilus mohavensis* – State of California Threatened)
- American badger (*Taxidea taxus* – California Species of Special Concern).

The HRMF was determined to have suitable habitat for nesting by the following sensitive bird:

- Loggerhead shrike (*Lanius ludovicianus* - California Species of Special Concern)

In December 2007, a Biological Opinion (BO) related to desert tortoise (*Gopherus agassizii*) for routine operations at the HRMF was issued by the USFWS (Appendix B). This BO was issued based on a review of Air Force Flight Test Center's (AFFTC), Edwards Air Force Base, mission defense support activities and projects accomplished at the HRMF. The BO provides a description of proposed activities at the HRMF and protective measures. The following is list of activities by type that occur within the HRMF and are detailed in the 2007 BO (United States Fish and Wildlife Service 2007).

- Class I: Activities that do not result in new surface disturbance.
- Class II Activities that result in new surface disturbance during the season with typically the least desert tortoise activity (November 1 through February 28).
- Class III Activities that result in new surface disturbance during the season with typically the most desert tortoise activity (March 1 through October 31).

Class I activities are routine daily operations at the HRMF. Class II and III activities include use of heavy equipment used to perform routine maintenance repairs such as road grading, fence repairs and any new construction.

The following Protective Measures identified in the BO are used to ensure no take or injury to desert tortoise at the HRMF

1. Workers attend Instructor lead Desert Tortoise Awareness Training once a year.
2. All visitors and workers at the HRMF stay on existing roads and keep speeds under 20 miles per hour on all roads.
2. Workers at the HRMF will report tortoise sightings to HRMF Security immediately, including dead or injured tortoises.

3. Do not handle a desert tortoise unless it is in imminent danger – call your authorized biologist.
4. Visual inspection beneath all vehicles and equipment is required prior to movement.
5. Dogs and firearms are not allowed at the HRMF (except firearms used by security personnel).
6. Keep trash in closed containers to reduce raven and coyotes on the HRMF.
7. Herbicides used at the facility must be approved before use and must be wildlife-safe.
8. Killed or injured desert tortoise resulting from activities at HRMF will be reported to the USFWS within 3 days. Injured tortoise will be transported to a qualified veterinarian.
9. Provide the USFWS an annual report documenting any tortoise that have been injured or killed plus any new habitat disturbances.
10. Presurvey of area proposed for construction activities within 24 hours of activity.
11. Relocate desert tortoise within a construction area using a USFWS-approved biologist.
12. Inspection of any open trench morning, afternoon and evening. The trench will either be fenced off or ramped to prevent desert tortoise entrapment.
13. Activities, vehicles and staging areas will be restricted to pre-determined corridors, access routes and previously disturbed areas as practicable.
14. Activities will take place within the smallest practical area to minimize habitat disturbance.

A reconnaissance survey of the proposed project area was on September 30, 2019, to identify potential habitat within the study area that could support sensitive biological species (Tetra Tech 2019) (Appendix C). The project area was determined to be suitable habitat for desert tortoise, Mohave ground squirrel and burrowing owl. One active desert tortoise burrow was noted within the project area. No shrubs that may be suitable as nesting sites for loggerhead shrike, LeConte's thrasher, prairie falcon or other raptors such as ravens are present within the study area.

Based on habitat within the project area and sign of occupation by desert tortoise, the proposed project has the potential to significantly impact desert tortoise. To reduce impacts from the proposed project to a less than significant level, Mitigation Measures **BIO-1**, **BIO-2** and **BIO-3** described below will be implemented.

- b) **Less than Significant Impact.** The proposed project would permanently impact 1.69 acres of creosote scrub habitat that would be reported as part of the annual reporting requirements. The project site had been disturbed as part of the initial construction of the HRMF. With the minor loss of habitat, a less than significant impact would occur

and no mitigations are proposed. No other sensitive communities, such as riparian habitat, exists on the project site.

- c) **No Impact.** There are no protected wetlands present within the project site or in adjacent areas to the project site. No impacts would occur, and no mitigation is proposed.
- d) **No Impact.** The proposed project would not interfere with movement of any native wildlife species. The project site is located immediately adjacent to existing facilities at the HRMF and would not interfere with migratory wildlife corridors or impede the use of native wildlife nursery sites. No impacts would occur, and no mitigation is proposed.
- e) **No Impacts.** The proposed project would not conflict with any County of San Bernardino policies or ordinances protecting biological resources. While creosote shrubs are listed in the County of San Bernardino Development Code, under the Plant Protection and Management chapter, only creosote shrubs rings that are 10 feet in diameter or greater are protected. No impacts would occur, and no mitigation is proposed.
- f) **No Impact.** The project site and the HRMF are not within a Habitat Conservation Plan or Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan. As a result, no impacts would occur and no mitigations are proposed.

**Therefore, potential significant adverse impacts to biological resources have been identified, and the following mitigation measures are required:**

**BIO-1** Prior to project site disturbance, a clearance survey conducted by an Authorized Biologist for the HRMF will be conducted. Once the project area has been cleared, desert tortoise fencing will be installed to ensure exclusion of tortoise from adjacent undeveloped areas.

**BIO-2** A preconstruction survey of the project site and soil stockpile for burrowing owl will be completed within 14 days prior to ground disturbance according to California Department of Fish and Wildlife guidelines (California Department of Fish and Game 2012). If active burrowing owl nests are present within the construction areas, they must be avoided by establishing a non-disturbance buffer until the young fledge or the nest fails. Nesting owls that are adjacent to construction will also be avoided by establishing buffer areas. The buffer areas should be delineated and flagged to facilitate avoidance.

**BIO-3** All Conservation Measures identified in the 2007 BO for the HRMF will be adhered to during the Class II/Class III activities associated with the proposed project.

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>V. CULTURAL RESOURCES - Would the project:</b>				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those outside of formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SUBSTANTIATION:** (Check if the project is located in the Cultural  or Paleontologic  Resources overlays or cite results of cultural resource review): **San**

**2015 Cultural Resources Report for HRMF (Appendix D)**

- a) **No Impact.** A cultural resource assessment of portions of the HRMF that included the proposed project site was conducted May 12 and May 15, 2015 (Tetra Tech, Inc. 2015a) (Appendix D). A California Historical Resources Information System (CHRIS) records search was conducted at the South-Central Coastal Information Center (SCCIC). The record search encompassed portions of the radar testing features including the proposed project area, along with a 1-mile buffer. The CHRIS database indicates that at least seven cultural resource projects have been conducted within 1 mile of the proposed project area, including several surveys that were conducted within the current project area. The CHRIS database also indicated that 12 cultural resources had been recorded within 1 mile of the Project area, including three prehistoric archaeological sites, two historical archaeological sites, and seven isolated occurrences. None of these known cultural resources are located within the Project area. The intensive pedestrian survey of the Project area resulted in the identification and documentation of 11 cultural resources that included five archaeological sites (two prehistoric and three historical), two built-environment resources, and four isolated artifacts (three prehistoric and one historical). No historic or prehistoric resources were identified within the proposed project area. Significance evaluations indicate that none of these cultural resources were recommended as eligible for listing on the California Register of Historical Resources.
- b) **Less than Significant Impact with Mitigation Incorporated.** No prehistoric resources were identified within the project area. Prehistoric resource noted during the 2015 assessment were determined to not be significant. In the unlikely event that potentially significant prehistoric resources are encountered during earthwork, Mitigation Measure **CR-1** will be implemented to reduce potentially significant impacts to a less than significant level. If encountered prehistoric resources are determined to be significant,

Mitigation CR-2 will be implemented to reduce potentially significant impacts to a less than significant level.

- c) **Less than Significant Impact with Mitigation Incorporated.** No formal cemeteries are located within the project area or within the HRMF and no known human remains occur in the area. No impact would occur. In the event that human remains are encountered during earthwork, Mitigation **CR-3** will be implemented to reduce potentially significant impacts to a less than significant level.

**Therefore, potential significant adverse impacts to cultural resources have been identified, and the following mitigation measures are required:**

**CR-1** In the event that cultural resources are discovered during project activities, all work in the immediate vicinity of the find (within a 60-foot buffer) shall cease and a qualified archaeologist meeting Secretary of Interior standards shall ~~be hired to~~ assess the find. Work on the other portions of the project outside of the buffered area may continue during this assessment period. Additionally, the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI) shall be contacted regarding any pre-contact finds and be provided information after the archaeologist makes his/her initial assessment of the nature of the find, so as to provide Tribal input with regards to significance and treatment.

**CR-2** If significant pre-contact cultural resources are discovered and avoidance cannot be ensured, the archaeologist shall develop a cultural resources Monitoring and Treatment Plan (Plan), the drafts of which shall be provided to SMBMI for review and comment. The archaeologist shall monitor the remainder of the ground-disturbance portion of the project and implement the Plan accordingly

**CR-3** In the unlikely event of an accidental discovery of any human remains are encountered during any earthwork activities, all work will cease in the immediate vicinity (within a 100-foot buffer of the find) until the San Bernardino County Coroner has made a determination of origin and disposition pursuant to PRC Section 5097.98. State law requires the Native American Heritage Commission (NAHC) be notified in the event the remains are determined to be prehistoric or of Native American origin. The NAHC shall determine and notify a Most Likely Descendant (MLD) who may inspect the site of the discovery within 48-hours of notification by the NAHC. The MLD may recommend scientific removal and non-destructive analysis of human remains and items associated with Native American burials. In addition, a Native American monitor will be present to identify the find in compliance with state law.

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>VI. ENERGY – Would the project:</b>				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**SUBSTANTIATION: San Bernardino County General Plan, 2007**

- a) **Less than Significant Impact.** Construction activities would require expenditure of energy in the form of vehicle/equipment use and materials such as concrete and asphalt. Once constructed, the warehouse, where feasible, would use energy conservation features. No unnecessary or wasteful consumption of energy resources would occur, and a less than significant impact would occur. No mitigation is required.
- b) **No Impact.** The proposed project would not conflict or obstruct with local or state plans for renewable energy or energy efficiency.

**Therefore, no impacts are identified or anticipated to energy resources, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>VII. GEOLOGY AND SOILS - Would the project:</b>				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map Issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii. Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii. Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- |   |                          |                                     |                                     |                                     |
|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| b) Result in substantial soil erosion or the loss of topsoil?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off site landslide, lateral spreading, subsidence, liquefaction or collapse? | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?   | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?  | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |

**SUBSTANTIATION:** (Check  if project is located in the Geologic Hazards Overlay District): **San Bernardino County General Plan, 2007; Submitted Project Materials**

**San Bernardino County General Plan, 2007; Geotechnical and infiltration Studies (Appendix E), Stormwater Pollution Prevention Plan (Appendix F), Paleontological Resources Assessment (Appendix G),**

- a) i-iv) **Less than Significant.** The proposed project will not expose people or structures to potential substantial adverse effect including the risk of loss, injury, or death involving i) rupture of a known earthquake fault, ii) strong seismic ground shaking, iii) seismic related ground failure including liquefaction or iv) landslides. The HRMF and the proposed project site are located in Southern California which is a highly seismic area. The nearest significant active faults and distance to the to the proposed project area as follows (Krazan & Associates, Inc. 2015).

Fault System	Distance from Project Site (Miles)
Helendale-South Lockhart,	2.4
Lenwood-Lockhart-Old Woman Springs	9.9
Gravel Hills-Harper Lake	18
Blackwater	20
Landers	22
San Andreas	37

A review of Hazard Overlay concluded that the HRMF and project area are not located in an area with a known fault and is not susceptible to seismic related ground failure, including liquefaction and landslides. A geotechnical analysis of soils associated with the project area was completed in 2015 and updated in 2019 (Krazan & Associates, Inc. 2015, 2019b). Based on soil conditions at the site, seismic design of the warehouse was recommended. With incorporation of the recommendations in the geotechnical study, hazards from a seismic event, a less than significant impact would occur. No mitigations are required.

- b) **Less than Significant Impact** The proposed project would not result in substantial soil erosion or loss of topsoil as the HRMF has a Stormwater Pollution Prevention Plan (SWPPP) that has identified Best Management Practices (BMPs) for erosion and sediment control (Lockheed Martin Aeronautics Company 2018) (Appendix F). These BMPs will ensure no sediment will be discharged from the project area during construction. Once constructed, stormwater runoff generated by the project area would be directed into existing drainages and no project related sediment erosion would occur. A less than significant impact would occur, and no mitigation is proposed.
- c) **Less than Significant Impact.** The project is not located on a geologic unit or soil that is unstable or would become unstable as a result of the project and potentially result in an on-site or off-site landslide, lateral spreading, subsidence, liquefaction or collapse. At the time of building permit review, the warehouse technical design drawings must incorporate recommendations of the approved geotechnical investigation and implement all measures to ensure stability in accordance with the latest adopted California Building Code. A less than significant impact would occur, and no mitigation is proposed.
- d) **No Impact.** The project area is not located on expansive soils, as defined in Table 18.1.B of the California Building Code (1994) creating substantial risk to life or property. No impact would occur, and no mitigations are required.
- e) **Less than Significant Impact.** A septic system would be required for the proposed project. An infiltration study has been completed at the project area (Krazan & Associates, Inc. 2019a). Based on the nature of soils found at the site, design parameters have been specified so that the septic tank and leach field function adequately (Appendix E). A less than significant impact would occur, and no mitigations are required.
- f) **Less than Significant with Mitigation Incorporated.** Based on the literature reviewed and a County of San Bernardino museum record search for the project vicinity, the potential for encountering fossilized remains during earthwork greater than three feet below ground surface was determined to be high (Tetra Tech, Inc. 2015b) (Appendix G). The Quaternary older alluvium deposits at the HRMF were determined to have a high paleontological resource potential because similar Pleistocene age deposits throughout San Bernardino County have been known to yield significant paleontological resources. Therefore, substantial excavations (greater than 3 feet below ground surface) within finer-grained sediments could encounter fossilized remains. Further, because the Quaternary

older alluvial deposits are potentially hundreds of feet thick in the area, there would be no lower limit for monitoring, unless crystalline bedrock is encountered. Mitigation Measure **GEO-1** would reduce potentially significant impacts to a less than significant level.

**Therefore, potential significant adverse impacts related to geology and soils have been identified, and the following mitigation measures are required**

**GEO-1** As a result of the high paleontological resource potential of the Quaternary older alluvium in the project area, further paleontological resource management, including construction monitoring by a qualified paleontologist, in previously undisturbed sediments at depths greater than 3 feet below ground surface will be required. Encountered fossils exposed during grading would be recovered and preserved. A report of findings with an itemized accession inventory would be prepared as evidence that monitoring has been successfully completed.

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>VIII. GREENHOUSE GAS EMISSIONS – Would the project:</b>				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

***SUBSTANTIATION:***  
***San Bernardino County General Plan, 2007; Greenhouse Gas emissions calculations (Appendix A)***

- a) **Less than Significant Impacts.** Greenhouse Gas (GHG) emissions resulting from the Proposed Project were calculated using CalEEMod and are summarized in Table 3. Detailed CalEEMod input values and calculated GHG results are included as Appendix A.

The proposed project would generate GHG emissions during construction and operation activities but not in significant quantities. These emissions would contribute to the cumulative GHGs in the County. However, GHG emissions resulting from the Proposed Project are anticipated to have a less than significant impact.

**Table 3  
 Project Construction and Operation Emissions of GHGs**

<b>Project Phase</b>	<b>CO<sub>2</sub>e Annual (MT)/Daily (lbs)</b>
Project Construction 2020	235/5483
Project Operation	97/204
Threshold of Significance	90,718/584,000
Significant?	No

Notes: MT CO<sub>2</sub>e metric tons of carbon dioxide equivalent  
 lbs pounds

The MDAQMD has established thresholds of GHG emissions (presented in Table 3-5) which if exceeded would render a project as having a significant adverse impact. The proposed project construction and operation emissions are significantly lower than the thresholds. Thus, a less than significant impact would occur. No mitigations are proposed.

- b) **Less than Significant Impact.** The proposed project would not result in an increase of either population or emissions sources beyond what has been planned for in the San Bernardino’s General Plan. Therefore, the proposed project would be consistent with and would not impact the implementation of the State’s Climate Change Scoping Plan. Hence, the proposed project would not conflict with applicable plans, policies or regulations of an agency adopted for the purpose of reducing the emissions of GHGs. A less significant impact would occur. No mitigation is required.

**Therefore, no significant adverse impacts related to greenhouse gases are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:</b>				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

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**SUBSTANTIATION:**

**San Bernardino County General Plan, 2007**

- a) **Less than Significant.** The proposed warehouse would be used to store test elements and hazardous materials would not be routinely transported to the warehouse. During construction, minor transport, use and disposal of hazardous materials and wastes that are typically associated with construction projects would be generated. Existing laws and regulations regarding the storage and use of these products, the disposal of wastes and procedures to prevent accidental release and cleanup would reduce any impact to a less than significant level. No mitigations are required.
- b) **Less than Significant.** The proposed project is a storage warehouse that would not create a significant hazard to the public or the environment though reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. Construction activities may produce hazardous waste associated with the use of construction materials. All hazardous materials are required to be utilized and transported in accordance with their labeling instructions as required by federal and state law. Existing laws and regulations governing the response to accidental release of hazardous materials is sufficient in ensuring any potential accident is not harmful to people or the environment. A less than significant impact would occur, and no mitigations are required.
- c) **No Impact.** The proposed project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances or waste within one-fourth mile of an existing or proposed school. The closest school, Helendale Elementary School, 27274 Peachtree Lane, Helendale, California 92342, is located more than five miles southwest of the HRMF. No impact would occur, and no mitigation is required.
- d) **No Impact.** The HRMF and project site is not located on a hazardous materials site. No impact would occur, and no mitigation is required.
- e) **No Impact.** The HRMF and project site are not located within the vicinity or approach/departure flight path of a public airport. The runway features located on the HRMF to the northwest of the project area as depicted in Figure 3 are the remains of the Helendale Auxiliary Army Air Field No. 2, which was constructed in 1942 as one of four satellite Army airfields serving the Victorville Army Air Field. No impact would occur, and no mitigation is required.
- f) **No Impact.** The HRMF and project site are not located within the vicinity or approach/departure flight path of a private airport. The runway features located on the HRMF to the northwest of the project area as depicted in Figure 3 are the remains of the Helendale Auxiliary Army Air Field No. 2, which was constructed in 1942 as one of four satellite Army airfields serving the Victorville Army Air Field. No impact would occur, and no mitigation is required.

- g) **No Impact.** The proposed project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires. The County of San Bernardino Development Code Fire Safety (FS) Overlay, Title 8, Development Code, Land Use Zoning District and Allowed Land Uses, Section 82.13.050 has a defined Fire Safety Areas within San Bernardino County as follows.

The FS Overlay corresponds to distinct geographic areas and the associated wildland fire hazard. The requirements applicable to the fire safety area are found in Section 82.13.050 (General Development Standards).

The FS Overlay includes areas within the mountains, valley foothills, and desert region designated by the applicable Fire Authority as wildfire risk areas. It includes all the land generally characterized by areas varying from relatively flat to steep sloping terrain and with moderate to heavy fuel loading contributing to high fire hazard conditions. Present and future development within the FS Overlay is exposed to the impacts of wild land fires and other natural hazards primarily due to native fuel types, topography, and prevailing weather conditions such as Santa Ana winds. These factors contribute to the potential of extreme wildland fire behavior conditions.

The County has established additional development standards for these areas. The HRMF and project area are not within any Fire Safety Areas as defined by County of San Bernardino Development Code and risk of loss, injury or death from wildlife are low given the undeveloped nature of the HRMF. No impact would occur, and no mitigation is required.

**Therefore, no significant adverse impacts related to hazards or hazardous materials are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>X. HYDROLOGY AND WATER QUALITY - Would the project:</b>				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				

- |      |  |                          |                          |                                     |                                     |
|------|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| i.   | result in substantial erosion or siltation on- or off-site;  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| ii.  | substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or offsite;  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| iii. | create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of runoff; or | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| iv.  | impede or redirect flood flows?  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d)   | In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e)   | Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**SUBSTANTIATION:**

***San Bernardino County General Plan, 2007; Storm Water Pollution Prevention Plan (Appendix F)***

- a) **Less than Significant Impact.** The BMPs for erosion and sediment control as listed in the HRMP SWPPP would be implemented during construction (Lockheed Martin Aeronautics Company 2018). These BMPs will ensure no sediment will be discharged from the project area during construction. Once constructed, stormwater runoff generated by the project area would be directed into existing drainages and no project related impacts to stormwater runoff would occur. A less than significant impact would occur, and no mitigation is proposed.
- b) **Less than Significant Impact.** The proposed project is a storage warehouse that would have sanitary facilities for workers that would require a water source. The proposed project would not substantially deplete groundwater supplies or impede sustainable groundwater management of the local aquifer. During construction, water would be used for dust suppression during earthwork at the site and at the stockpiled soils. The earthwork portion of the construction effort would occur over a limited number of days that will not substantially deplete groundwater supplies or impede sustainable groundwater management of the local aquifer. No impacts would occur, and no mitigations are required.
- c) **Less than Significant Impact.**
- i. Stormwater generated from the project area would be directed into an existing natural drainage found to the east. Stormwater would be directed to the south through an existing culvert beneath the HRMF access road. No changes to the existing drainage would occur. A less than significant impact would occur, and no mitigations are required.

- ii. Stormwater would be directed from the project area to the drainage via concrete swales. The area around the warehouse would be paved and sediments would not be generated. Stormwater entering the drainage may transport a less than significant amount of sediments. A less than significant impact would occur, and no mitigations are required.
  - iii. The existing culvert is adequate to manage stormwater current stormwater generated in the project area and will continue to manage stormwater generate from the project area. A less than significant impact would occur, and no mitigations are required.
  - iv. The proposed project would be constructed on an engineered pad and would not impede or redirect stormwater. No designated flood zones have been identified in the project area.
- d) **No Impact.** The HRMF and project area are not part of a mapped flood hazard zone and is not subject to hazards from tsunami or seiche. The proposed project would not cause a release of pollutants due to flooding. No impact would occur, and no mitigations are required.
- e) **No Impact.** The proposed project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Less than significant amounts of water would be used during construction. During operation, water would be used for the sanitary system within the warehouse. No impact would occur, and no mitigations are required.

**Therefore, no significant adverse impacts to hydrology and water quality are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>XI. LAND USE AND PLANNING - Would the project:</b>				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**SUBSTANTIATION:**

**San Bernardino County General Plan, 2007**

- a) **No Impact.** The proposed project will not physically divide an established community as it will be part of the existing HRMF. The proposed project will meet all the development standards of the County Code and meet the goals and policies of the General Plan. No impact would occur, and no mitigations are required.

- b) **No Impact.** The proposed project will not conflict with County land use, policy or regulations. The proposed project will be an extension of the existing features of the HRMF. The project is consistent with all applicable land use policies and regulations of the County Code and General Plan. No impact would occur, and no mitigations are required.

**Therefore, no significant adverse impacts related to land use are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>XII. MINERAL RESOURCES - Would the project:</b>				
a) Result in the loss of availability of a known mineral resource that will be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**SUBSTANTIATION:** (Check  if project is located within the Mineral Resource Zone Overlay):

***San Bernardino County General Plan, 2007***

- a) **No Impact.** The proposed project would not result in the loss of availability of a known mineral resources that would be of value. Stockpiled soils present at the HRMF will be used at the site during earthwork. No impact would occur, and no mitigations are required.
- b) **No Impact.** The project would not cause the loss of availability of a locally important mineral resource recover site. No impact would occur, and no mitigations are required.

**Therefore, no significant adverse impacts to mineral resources are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>XIII. NOISE - Would the project result in:</b>				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- b) Generation of excessive groundborne vibration or groundborne noise levels?
- c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the project area to excessive noise levels?

**SUBSTANTIATION:** (Check if the project is located in the Noise Hazard Overlay District  or is subject to severe noise levels according to the General Plan Noise Element ):

**San Bernardino County General Plan, 2007**

- a) **Less than Significant.** During construction, noise from equipment would be generated and there would be an increase in ambient noise levels in the vicinity of the project. Workers within the closest warehouse to the project area may perceive an increase in ambient noise. Once earthwork was complete, noise levels would diminish. Work would be completed during daytime hour. The closest resident is slightly more than 0.4 miles to the southwest and with the intervening distance, is not likely to perceive the temporary increase in ambient noise at the project area. Once constructed, ambient noise levels will return to existing conditions. A less than significant impact would occur, and no mitigations are required.
- b) **Less than Significant.** During compaction operations of the warehouse pad, compaction rollers may generate ground borne vibrations that may be perceived by workers in the closest warehouse. This short-term vibration activity would not result in any ground borne vibrations above the standards identified in the County Development Code. A less than significant impact would occur, and no mitigations are required.
- c) **No Impact.** The proposed project is not located within a private airstrip or in an airport land use plan. No impact would occur, and no mitigation is required.

**Therefore, no significant adverse noise impacts are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
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**XIV. POPULATION AND HOUSING - Would the project:**

- a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and

businesses) or indirectly (for example, through extension of roads or other infrastructure)?

- b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

***SUBSTANTIATION:***

***San Bernardino County General Plan, 2007.***

- a) **No Impact.** During construction, as many as 20 to 30 workers would be used to build the warehouse facility. This temporary increase in workers for this project would not induce either directly or indirectly, a substantial population growth in the area. Upon completion of construction, current workers at the HRMF would use the warehouse to store test materials. No impact would occur, and no mitigations are required.
- b) **No Impact.** The proposed project would not displace any people necessitating the construction of replacement housing elsewhere. The project area is vacant, undeveloped lands. No impact would occur, and no mitigations are required.

**Therefore, no significant adverse impacts related to population and housing are identified or anticipated and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
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**XV. PUBLIC SERVICES**

- a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

Fire Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other Public Facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

***SUBSTANTIATION:***

***San Bernardino County General Plan, 2007; Submitted Project Materials***

- a) **No Impact.** The proposed project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services, including fire and police protection, schools, parks, or other public facilities. The new warehouse will be part of the HRMF that is monitored by 24-hour private security and no impacts to the local police would occur. No increase in workers would occur so no impacts to the local school district would occur. The warehouse will have a fire suppression system that will meet all County Code requirements. No impacts would occur, and no mitigations are required.

**Therefore, no significant adverse impacts to public services are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>XVI. RECREATION</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility will occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

***SUBSTANTIATION:***  
***San Bernardino County General Plan, 2007***

- a) **No Impact.** This project will not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated. The project is a storage warehouse and will not necessitate any new employees to move to the project area that would use existing neighborhood or regional parks. No impacts would occur, and no mitigations are required.
- b) **No Impact.** This project is the construction of a storage warehouse and does not include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment. The County's General Plan requires new residential development to provide a local park and recreation

facilities. The proposed project is not a residential development. No impacts would occur, and no mitigations are required.

**Therefore, no significant adverse impacts to recreational resources are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>XVII. TRANSPORTATION – Would the project:</b>				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3 subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

***SUBSTANTIATION:***

***San Bernardino County General Plan, 2007***

- a) **Less than Significant Impact.** The proposed Project would not conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways, and freeways, pedestrian and bicycle paths, and mass transit. During construction, there would be a temporary increase in daily traffic to and from the HRMF from crews of workers. Due to the isolated location of the HRMF, construction workers are likely to carpool to the facility. Once the warehouse is constructed, current workers at the HRMF will use the warehouse and no permanent increase in traffic to the HRMF would occur. A less than significant impact would occur, and no mitigations are required.
- b) **Less than Significant Impact.** The proposed project would not conflict or be inconsistent with CEQA Guidelines Section 15064.3 subdivision (b). Construction crews will be encouraged to carpool to reduce vehicle trips and local congestion. Impacts would be temporary, and a less than significant impact would occur. Once the

warehouse is constructed, current workers at the HRMF would use the warehouse and no increase in traffic would occur.

- c) **No Impact.** No roads or changes to configuration of current roads at the HRMF are required. No impacts would occur, and no mitigations are required.
- d) **No Impact.** The proposed project would not result in inadequate emergency access at the HRMF. No impacts would occur, and no mitigations are required.

**Therefore, no significant adverse impacts to traffic and transportation are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
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**XVIII. TRIBAL CULTURAL RESOURCES**

a) Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

- |     |  |                          |                                     |                          |                          |
|-----|--|--------------------------|-------------------------------------|--------------------------|--------------------------|
| i)  | Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ii) | A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

***SUBSTANTIATION:***

***San Bernardino County General Plan, 2007; Cultural Historical Resources Information System (CHRIS), South Central Coast Information Center, California State University, Fullerton; Submitted Project Materials, Cultural Resources Assessment dated 2015***

- a)i) **Less than Significant with Mitigation Incorporated.** As indicated in Section V, a database review in support of a cultural resources assessment conducted at the HRMF indicated that 12 cultural resources had been recorded within 1 mile of the Project area, including three prehistoric archaeological sites, two historical archaeological sites, and seven isolated occurrences. None of these known cultural resources are located within the Project area. The intensive pedestrian survey of the Project area resulted in the identification and documentation of 11 cultural resources

that included five archaeological sites (two prehistoric and three historical), two built-environment resources, and four isolated artifacts (three prehistoric and one historical). Although no historic or prehistoric resources were identified within the proposed project area, Mitigation TRC-1 would reduce potentially significant impacts to pre-historic resources discovered during project implementation.

a)ii)

**Less than Significant with Mitigation Incorporated.** On September 13, 2019, the County of San Bernardino initiated Consultation with Native American tribes that have traditional and cultural affiliations with the region that includes the project area (Appendix H). Tribal consultation was concluded on December 9, 2019. The following Native American tribes were provided an opportunity to consult with the County of San Bernardino with regards to the proposed project,

- Colorado River Indian Tribes
- Twenty-Nine Palms Band of Mission Indians
- Fort Mojave Indian Tribe
- Morongo Band of Mission Indians
- Soboba Band of Luiseño Indians
- San Manuel Band of Mission Indians

A project description and location map of the project was provided. On October 29, 2019, the Twenty-Nine Palms Band of Mission Indians requested a copy of the previously completed cultural resources survey of the HRMF that includes the project area. A copy of the cultural survey report was provided to the Twenty-Nine Palms Band of Mission Indians on November 1, 2019. A second and third request via email to the Twenty-Nine Palms Band of Mission Indians to determine if the tribe had any additional questions was made on November 15 and 19, 2019; respectively.

The Morongo Band of Mission Indians provided a notification on October 11, 2019 that they had no additional comments regarding the project.

On October 21, 2019, the San Manuel Band of Mission Indians requested a copy of the soils and geotechnical reports and grading plans to show the depth of proposed ground disturbance associated with the project. The grading plan plus soils and geotechnical reports were provided to the tribe on October 23 and November 19, 2019; respectively. To reduce impacts to tribal resources, on November 22, 2019, the San Manuel Band of Mission Indians provided mitigation measures for both cultural resources that have been included in Section V and Tribal Cultural Resources. Based on consultation with the San Manuel Band of Mission Indians, the project has the potential for significant impact to Native American resources. Mitigation TRC-2 would reduce potentially significant impacts from the proposed project to tribal resources to a less than significant level.

**Therefore, potential significant adverse impacts to tribal cultural resources have been identified, and the following mitigation measures are required:**

**TCR-1** The San Manuel Band of Mission Indians Cultural Resources Department shall be contacted if any prehistoric cultural resources are discovered during project implementation and

shall be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be deemed significant, as defined by CEQA, a cultural resources Monitoring and Treatment Plan (Plan) shall be created by the archaeologist, in coordination with San Manuel Band of Mission Indians, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a monitor to be present that represents San Manuel Band of Mission Indians for the remainder of the project, should San Manuel Band of Mission Indians elect to place a monitor on-site.

**TCR-2** Any and all archaeological/cultural documents created as a part of the project (isolate records, site records, survey reports, testing reports, etc.) shall be supplied by Lockheed Martin Aeronautics Corporation and/or the County of San Bernardino to San Manuel Band of Mission Indians. The County of San Bernardino shall, in good faith, consult with San Manuel Band of Mission Indians throughout the life of the project.

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>XIX. UTILITIES AND SERVICE SYSTEMS - Would the project:</b>				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a determination by the wastewater treatment provider which serves or may serve the Project that it has adequate capacity to serve the Project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**SUBSTANTIATION:**

**County of San Bernardino General Plan 2007**

- a) **Less than Significant Impact.** The proposed project does not require or propose any wastewater treatment as sanitation will be managed with a septic system. No impacts would occur, and no mitigations are required.
- b) **No Impact.** The proposed project will require extension of existing water facilities currently at the HRMF to the new warehouse. However, the existing water supply at the HRMF is adequate for the proposed warehouse and an expansion of those services are not needed. No impacts would occur, and no mitigations are required.
- c) **No Impact.** The proposed project does not require or propose any wastewater treatment as sanitation will be managed with a septic system. No impacts would occur, and no mitigations are required.
- d) **No Impact.** Debris and waste would be generated during construction but would not exceed state or local standards or cause an impairment of attaining County solid waste reduction goals. No increases in waste generation at the HRMF would occur once the warehouse construction was complete. No impacts would occur, and no mitigations are required.
- e) **No Impact.** The proposed project would comply with federal, state and local management and reduction statutes and regulations for solid waste. No impacts would occur, and no mitigations are required.

**Therefore, no significant adverse impacts to utilities or service systems are identified or anticipated, and no mitigation measures are required.**

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>XX. WILDFIRE:</b> If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Substantially impair an adopted emergency response plan or emergency evacuation plan?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from wildfire or the uncontrolled spread of a wildfire? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water resources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**SUBSTANTIATION:**

**County of San Bernardino General Plan 2007; Submitted Project Materials**

- a) **No Impact.** The proposed project would be constructed on undeveloped land that is part of the HRMF. The proposed project would not impair an adopted emergency response plan or emergency evacuation plan. No impacts would occur, and no mitigations are required.
- b) **No Impact.** The project area is flat with minor relief. The final grade for the proposed project would also be flat and would not have a topography that would cause an exacerbation of wildfire risks due to slope. No impacts would occur, and no mitigations are required.
- c) **No Impact.** The proposed project would not require significant changes to the infrastructure at the HRMF that would exacerbate risks from wildfire. No impacts would occur, and no mitigations are required.
- d) **No Impact.** Final grade of the new warehouse would be level. No increased risks from flooding or landslides resulting from post fire slope instability would occur. No impacts would occur, and no mitigations are required.

<i>Issues</i>	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant</i>	<i>No Impact</i>
<b>XXI. MANDATORY FINDINGS OF SIGNIFICANCE:</b>				

- |   |                          |                                     |                          |                          |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|

the major periods of California history or prehistory?

- b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?
- c) Does the project have environmental effects, which would cause substantial adverse effects on human beings, either directly or indirectly?

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**SUBSTANTIATION:**

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- a) **Less than Significant with Mitigations Incorporated.** The proposed project has the potential for adverse impacts to desert tortoise, a federally and state listed as threatened species. A Biological Opinion has been issued by the USFWS for operations at the HRMF that includes new construction. With incorporation of the conservation measures in the BO plus mitigation measures identified in Section III, a less than significant impact will occur.
- b) **No Impact.** Impacts from the proposed project are limited and are not cumulatively considerable. No cumulative impacts from the proposed project are anticipated.
- c) **No Impact.** All potential impacts have been thoroughly evaluated and have been deemed to be neither individually significant nor cumulatively considerable in terms of any adverse effects upon the region, the local community or its inhabitants. At a minimum, the project will be required to meet the conditions of approval for the project to be implemented. It is anticipated that all such conditions of approval will further insure that no potential for adverse impacts will be introduced by construction activities, initial or future land uses authorized by the project approval.

### SUMMARY OF MITIGATION MEASURES

The following mitigations are proposed for the warehouse project.

**BIO-1** Prior to project site disturbance, a clearance survey conducted by an Authorized Biologist for the HRMF will be conducted. Once the project area has been cleared, desert tortoise fencing will be installed to ensure exclusion of tortoise from adjacent undeveloped areas.

**BIO-2** A preconstruction survey of the project site and soil stockpile for burrowing owl will be completed within 14 days prior to ground disturbance according to California Department of Fish and Wildlife guidelines (California Department of Fish and Game 2012). If active burrowing

owl nests are present within the construction areas, they must be avoided by establishing a non-disturbance buffer until the young fledge or the nest fails. Nesting owls that are adjacent to construction will also be avoided by establishing buffer areas. The buffer areas should be delineated and flagged to facilitate avoidance.

**BIO-3** All Conservation Measures identified in the 2007 BO for the HRMF will be adhered to during the Class II/Class III activities associated with the proposed project

**CR-1** In the event that cultural resources are discovered during project activities, all work in the immediate vicinity of the find (within a 60-foot buffer) shall cease and a qualified archaeologist meeting Secretary of Interior standards shall be hired to assess the find. Work on the other portions of the project outside of the buffered area may continue during this assessment period. Additionally, the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI) shall be contacted regarding any pre-contact finds and be provided information after the archaeologist makes his/her initial assessment of the nature of the find, so as to provide Tribal input with regards to significance and treatment.

**CR-2** If significant pre-contact cultural resources are discovered and avoidance cannot be ensured, the archaeologist shall develop a cultural resources Monitoring and Treatment Plan (Plan), the drafts of which shall be provided to SMBMI for review and comment. The archaeologist shall monitor the remainder of the ground-disturbance portion of the project and implement the Plan accordingly

**CR-3** In the unlikely event of an accidental discovery of any human remains are encountered during any earthwork activities, all work will cease in the immediate vicinity (within a 100-foot buffer of the find) until the San Bernardino County Coroner has made a determination of origin and disposition pursuant to PRC Section 5097.98. State law requires the Native American Heritage Commission (NAHC) be notified in the event the remains are determined to be prehistoric or of Native American origin. The NAHC shall determine and notify a Most Likely Descendant (MLD) who may inspect the site of the discovery within 48-hours of notification by the NAHC. The MLD may recommend scientific removal and non-destructive analysis of human remains and items associated with Native American burials. In addition, a Native American monitor will be present to identify the find in compliance with state law.

**GEO-1** As a result of the high paleontological resource potential of the Quaternary older alluvium in the project area, further paleontological resource management, including construction monitoring by a qualified paleontologist in previously undisturbed sediments at depths greater than 3 feet below ground surface will be required. Encountered fossils exposed during grading would be recovered and preserved. A report of findings with an itemized accession inventory would be prepared as evidence that monitoring has been successfully completed.

**TCR-1** The San Manuel Band of Mission Indians Cultural Resources Department shall be contacted if any prehistoric cultural resources are discovered during project implementation and shall be provided information regarding the nature of the find, so as to provide Tribal input with regards to significance and treatment. Should the find be deemed significant, as defined by CEQA, a cultural resources Monitoring and Treatment Plan (Plan) shall be created by the archaeologist, in coordination with San Manuel Band of Mission Indians, and all subsequent finds shall be subject to this Plan. This Plan shall allow for a monitor to be present that represents San Manuel Band of

Mission Indians for the remainder of the project, should San Manuel Band of Mission Indians elect to place a monitor on-site.

**TCR-2** Any and all archaeological/cultural documents created as a part of the project (isolate records, site records, survey reports, testing reports, etc.) shall be supplied by Lockheed Martin Aeronautics Corporation and/or the County of San Bernardino to San Manuel Band of Mission Indians. The County of San Bernardino shall, in good faith, consult with San Manuel Band of Mission Indians throughout the life of the project.

### **GENERAL REFERENCES**

California Department of Conservation

2019 California Important Farmland Finder,  
<https://maps.conservation.ca.gov/DLRP/CIFF/>, accessed 15 November 2019

California Department of Fish and Game

2012 *Staff Report on Burrowing Owl Mitigation*. State of California Natural Resources Agency. 34 pp.

County of San Bernardino

2007 *County of San Bernardino General Plan*. Adopted March 13, 2007. Effective April 12, 2007. Amended April 24, 2014.

### **PROJECT-SPECIFIC REFERENCES**

Krazan & Associates, Inc,

2015 Geotechnical Engineering Investigation Proposed Warehouse Building, Indian Trail near Wheeler Road, Helendale California

2019a Results of Infiltration Testing, Proposed Light Industrial Facility, Indian Trail, Helendale, California, August 28, 2019.

2019b Updated to Geotechnical Engineering Investigation Proposed Warehouse Building, Indian Trail near Wheeler Road, Helendale California, August 28, 2019

Lockheed Martin Aeronautics Company

2018 Storm Water Pollution Prevention Plan – Plant 9 (Helendale) Revision Q.

Tetra Tech, Inc.

2015a Cultural Resources Assessment for Lockheed Martin Aeronautics' Proposed Cross Section Test Range Expansion Project near Helendale, San Bernardino County, California

2015b Paleontological Resource Assessment for the Proposed Lockheed Martin Aeronautics' Radar Cross Section Test Range Expansion Project near Helendale, San Bernardino County, California

2011 *Final Biological Resources Technical Report*. Lockheed Martin Aeronautics Company Radar Measurement Facility, Helendale, California

United States Fish and Wildlife Service

2007 *Biological Opinion on Routine Operations at the Lockheed Martin Aeronautics Company Radar Measurement Facility, Helendale, San Bernardino County, California (1-8-05-F-6)*