

6.0 MITIGATION MEASURES

With incorporation of the following mitigation measures, no significant environmental effects would result from approval and implementation of the proposed action.

6.1 Aesthetics

Mitigation Measure A-1: All exterior lighting associated with the Proposed Project shall be fully-shielded to prevent any direct upward illumination or spill-over of light onto adjacent properties. The intensity of lights, as well as the number, shall be kept to a minimum while allowing for adequate public safety and security. Wherever possible, all exterior lighting shall be low-pressure sodium as is called for in the San Diego County's Light Pollution Code.

6.2 Agricultural Resources

No significant impacts to agricultural resources would occur. No mitigation measures are necessary.

6.3 Air Quality

Estimates of project construction emissions, using the URBEMIS model, indicate a potential exceedance of the County significance guidance threshold for PM10, as shown in Table 10b. In order to reduce PM10 emissions to less than the threshold level, Mitigation Measure AQ-1 will be incorporated into the project. With the implementation of this measure, the impact would be less than the guidance threshold and less than significant, as also shown in Table 10b.

Mitigation Measure AQ-1: During grading of the project, all exposed active grading areas shall be watered at least three times daily.

The biggest potential sources of ROG emissions during construction are architectural coatings i.e., paints, sealers, and varnishes. While the project ROG emissions are less than the significance guidelines, it is appropriate to use low-VOC⁵ coatings to reduce the ROG emissions. The URBEMIS default for ROG emissions assumes that all coatings average 250 grams per liter of VOC. Mitigation Measure AQ-2 shall be implemented with a required average of 150 grams per liter. This reduction will reduce emissions as shown in Table 10b.

Mitigation Measure AQ-2: Architectural coatings used on the Proposed Project shall average 150 grams per liter of VOC.

⁵ For purposes of this air quality analysis ROG – reactive organic gases, and VOC – volatile organic compounds are the same. While ROG is used in most of the text, VOC is used in this mitigation measure because paints are described with VOC content, not ROG.

The Proposed Project would expand a wastewater treatment plant that is located within one mile of off-Reservation residences. In order to avoid a significant impact, Mitigation Measure AQ-3 will be incorporated into the project.

Mitigation Measure AQ-3: The wastewater treatment plant design shall incorporate odor control features that would eliminate significant odor impact at downwind receptors. The plant design shall be prepared by a professional engineer (PE) registered in the State of California with a specialty in wastewater treatment. The PE shall inspect and approve the plant odor control facilities prior to the operation of the plant.

Although no other significant impacts were identified the following emission reduction measures will be implemented:

Mitigation Measure AQ-4: Project construction specifications shall include the requirement that commercial electric power would be provided to the site at the start of construction and be used during construction to the maximum extent feasible. Accordingly, the use of diesel or gasoline engine portable generators would be minimized or avoided.

Mitigation Measure AQ-5: Project construction specifications shall require common dust control practices, such as watering all active grading areas and storage piles, cessation of grading in high winds, the limiting of vehicle speeds on unpaved roads to 15 miles per hour, and preventing the track out of dirt from unpaved areas to paved roadways.

Mitigation Measure AQ-6: During periods of high winds (i.e., wind speed sufficient to cause fugitive dust to impact adjacent properties), all clearing, grading, earth-moving, and excavation operations shall be curtailed to the degree necessary to prevent fugitive dust created by on-site activities and operations from being a nuisance or hazard, either off site or on site.

Mitigation Measure AQ-7: If visible soil material is carried over to adjacent streets and roads, the streets and roads shall be swept at least once per day, preferably at the end of the day.

6.4 Biological Resources

Bio 1 - To avoid impacts to nesting birds, all clearing and grubbing shall occur outside the bird breeding season. The breeding season for nesting birds occurs approximately February 15 through September 15; however raptors may begin breeding as early as January. If project construction is necessary during the bird breeding season, a qualified biologist should conduct a survey for nesting birds, within three days prior to the work in the area, and ensure no nesting birds in the project area would be impacted by the project. If an active nest is identified, a buffer should be established between the construction activities and the nest so that nesting activities are not interrupted. The buffer should be a minimum width of 300 feet (500 feet for raptors), should be delineated by temporary fencing, and should remain in effect as long as construction is occurring or until the nest is no longer active. No project construction should occur within the fenced nest zone until the young have fledged, are no longer being fed by the parents, have left the nest, and will no longer be impacted by the project.

Bio-2 - To minimize off-site impacts to biological resources and to minimize the introduction of exotic plants to the area, the following conditions shall be implemented during construction: Employees will limit their activities, vehicles, equipment, and construction materials to the project, and native plants will be used to the greatest extent possible in landscaped areas. Species listed on the California Invasive Plant Council's Invasive Plant Inventory will not be used.

6.5 Cultural Resources

Mitigation Measure CR 1 - A qualified Native American Monitor from the Pauma Tribe shall monitor the excavation of native soils. Should any evidence of archaeological materials be discovered during site excavation, all work on that excavation site is to be stopped immediately, and the Tribe's cultural resources staff shall be called at once to investigate the area. All work at such site is to remain stopped until authorization to proceed is granted by the Tribal Chairperson. Recommendations regarding any cultural resource mitigation associated with the Proposed Project will be made to the Tribe by a qualified archaeological consultant. This mitigation measure remains in effect for potential on-and off-Reservation impacts. In the event of the discovery of cultural resources off-Reservation, Caltrans or the County of San Diego shall be notified depending upon the jurisdiction of the discovery.

6.6 Geology and Soils

No mitigation measures are necessary for geology/soils.

6.7 Hazards and Hazardous Materials

The Proposed Project is not anticipated to result in significant hazardous materials impacts. However, the following design features would minimize the risks associated with hazardous materials and wastes:

Standard Measure HM-1: During construction, hazardous materials would be transported and stored in appropriate and approved containers. Required clearances would be maintained and materials would be handled in accordance with federal law and UIC's Hazardous Materials Control Plan and Safety Plan. The Tribe would ensure through the enforcement of contractual obligations that all contractors immediately control the source of any leak and immediately contain any spill of hazardous materials or waste using appropriate spill containment and countermeasures. Clean-up and disposal, if any is required, would also be handled in accordance with all applicable laws and regulations by licenced hazardous materials handlers and haulers for disposal at approved disposal sites.

6.8 Hydrology/Water Resources

No mitigation measures are necessary for hydrology/water resources.

6.9 Land Use

No mitigation measures are necessary for land use.

6.10 Mineral Resources

No mitigation measures are necessary for mineral resources.

6.11 Noise

The Tribe shall implement the following mitigation measures in order to reduce or avoid potential adverse noise impacts:

Mitigation Measure N-1: Heavy truck traffic and use of heavy equipment shall be limited to the hours of 7:00 a.m. to 7:00 p.m., Monday through Saturday, unless permitted or negotiated otherwise.

Mitigation Measure N-2: The emergency generator shall be designed and operated such that the noise generated at the casino property lines will not exceed 50 dBA Leq between the hours of 7:00 a.m. and 10:00 p.m., or 45 dBA Leq between 10:00 p.m. and 7:00 a.m., consistent with the requirements of the County Noise Ordinance.

Mitigation Measure N-3: Project operations procedures shall require that testing of diesel generators occur between 7:00 AM and 7:00 PM.

Mitigation Measure N-4: The wastewater treatment plant shall be designed and operated such that the noise generated at the casino property lines will not exceed 50 dBA Leq between the hours of 7:00 a.m. and 10:00 p.m., 45 dBA Leq between 10:00 p.m. and 7:00 a.m., consistent with the requirements of the County Noise Ordinance.

6.12 Population and Housing

No mitigation measures are necessary for population and housing.

6.13 Public Services

Mitigation Measure PS-1: The Tribe will provide additional security for the Proposed Project. The Mitigation for public service impacts shall be enforceable through a Memorandum of Understanding (MOU) between the Tribe and the County per Sections 10.8.8 and 10.8.9 of the Tribal/State Compact.

Mitigation Measure PS-2: The Tribe will address off-Reservation impacts to the County Sheriff's Department through the contribution of funding for personnel and equipment. The

amount of the contribution is to be agreed upon by the Tribe and the County through the MOU process.

6.14 Recreation

No mitigation measures are necessary for recreation.

6.15 Socioeconomics and Environmental Justice

No mitigation measures are necessary for socioeconomics or environmental justice.

6.16 Transportation/Traffic

The following mitigation measures are recommended:

Mitigation Measure T-1: The Tribe shall make a fair share contribution to the Caltrans for the near-term improvements to the intersection of SR 76/I-15 NB Ramp identified in the SR-76 Corridor Study.

Mitigation Measure T-2: The Tribe shall immediately fund the following improvements identified by the RTA in the SR-76 Corridor Study for the intersection of SR 76/Pauma Reservation Road; cooperate fully with Caltrans in the effort to construct these improvements as soon as possible; or fund such other alternative improvements as are agreed upon by the Tribe and Caltrans (or the County, as appropriate), that provide substantially equivalent mitigation:

- Signalize
- Add an eastbound left turn lane, a westbound right turn lane, and add a southbound lane that will provide for a dedicated left turn and dedicated right turn. These improvements will result in the following lane geometry:
 - Eastbound (SR76): 1 left, 1 thru
 - Westbound (SR76): 1 thru, 1 right
 - Southbound (Pauma Reservation Road): 1 left, 1 right

Implementation of this measure would result in LOS D operation for this intersection, and the impact would be reduced to less than significant.

Mitigation Measure T-3: For the roadway segments and intersections listed below, Caltrans is in the process of conducting a corridor study along SR 76 from I-15 to SR 79. It is recommended that the Proposed Project pay a fair share, as determined by the MOU the Tribe will enter per Section 10.8.8 and 10.8.9 of the Tribal/State Compact, toward implementation of the results of the corridor study to address cumulative indirect traffic impacts associated with the Proposed Project.

Segments:

SR 76, I-15 to Cole Grade Road
SR 76 Cole Grade Road to Valley Center Road
SR 76 East of Valley Center Road
Valley Center Road, South of SR 76

Intersections:

SR 76/Pala Mission Road East
SR 76/Cole Grade Road
SR 76/Valley Center Road

Mitigation Measure T-4: The Tribe shall require that all vendors use Pauma Reservation Road for access to and from the casino and hotel site.

6.17 Utilities and Service Systems

No mitigation measures are necessary for utilities and service systems.