



**California Department of Fish and Wildlife  
Central Region  
1234 EAST SHAW AVENUE  
FRESNO, CALIFORNIA 93710**

California Endangered Species Act  
Amended Incidental Take Permit No. 2081-2021-007-04  
(Amendment No. 3)

**SOUTHERN CALIFORNIA GAS COMPANY GAS PIPELINE RECOAT AND  
ANODE INSTALL PROJECT**

**I. Authority:**

This California Endangered Species Act (CESA) incidental take permit (ITP) is issued by the California Department of Fish and Wildlife (CDFW) pursuant to Fish and Game Code section 2081, subdivisions (b) and (c), and California Code of Regulations, Title 14, section 783.0 et seq. CESA prohibits the take<sup>1</sup> of any species of wildlife designated by the California Fish and Game Commission as an endangered, threatened, or candidate species.<sup>2</sup> However, CDFW may authorize the take of any such species by permit pursuant to the conditions set forth in Fish and Game Code section 2081, subdivisions (b) and (c). (See Cal. Code Regs., tit. 14, § 783.4).

<b>Permittee:</b>	<b>Southern California Gas Company</b>
<b>Principal Officer:</b>	<b>Pourya Arefi, Project Manager</b> <a href="mailto:PArefi1@socalgas.com">PArefi1@socalgas.com</a>
<b>Contact Person:</b>	<b>Par Singhaseni, 310-980-9851</b> <a href="mailto:psinghas@socalgas.com">psinghas@socalgas.com</a>
<b>Mailing Address:</b>	<b>555 West 5<sup>th</sup> Street, MLGT16G3</b> <b>Los Angeles, California 90013</b>

**II. Amended ITP<sup>3</sup> Background:**

On July 15, 2022, CDFW issued Incidental Take Permit No. 2081-2021-007-04 (ITP) to Southern California Gas Company (Permittee), authorizing take of giant kangaroo rat (*Dipodomys ingens*), Tipton kangaroo rat (*Dipodomys nitratoide nitratoide*), and San Joaquin antelope squirrel (*Ammospermophilus nelsoni*) (collectively, the Covered Species) associated with and incidental to the Gas Pipeline Recoat and Anode Install Project (Project). The Project as described in the ITP as originally issued by CDFW includes repair of two approximately 50-foot sections of high-pressure gas pipeline to prevent pipeline failure at two separate Work Sites, eTS 43141 Line 225 MP 3.28 (L225 Site) and eTS 44051 Line 85 MP 49.9 (L85 Site). The Project also includes the installation of anodes at these Work Sites to provide cathodic protection of the pipelines. In issuing the ITP, CDFW found, among other

<sup>1</sup>Pursuant to Fish and Game Code section 86, “‘take’ means hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill.” (See also *Environmental Protection Information Center v. California Department of Forestry and Fire Protection* (2008) 44 Cal.4th 459, 507 [for purposes of incidental take permitting under Fish and Game Code section 2081, subdivision (b), “‘take’ ... means to catch, capture or kill”].)

<sup>2</sup>The definition of an endangered, threatened, and candidate species for purposes of CESA are found in Fish and Game Code sections 2062, 2067, and 2068, respectively.

<sup>3</sup>When this incidental take permit and attachments refer to the “ITP”, it means the “Amended ITP” unless the context dictates otherwise.

things, that Permittee's compliance with the Conditions of Approval of the ITP would fully mitigate Project impacts of the taking on the Covered Species and that issuance of the ITP would not jeopardize the continued existence of the Covered Species.

On February 22, 2023, CDFW issued Minor Amendment No. 1 which updated the Permittee's Contact Person and extended the expiration date of the ITP from January 31, 2023, to July 31, 2023, because the Project was delayed by Gas Control Outage Coordination as it could impact customers during months with high demand. CDFW found that this Amendment was a Minor Amendment, as defined in California Code of Regulations, title 14, section 783.6, subdivision (c)(4). Issuance of Minor Amendment No. 1 did not increase the amount of take of the Covered Species compared to the Project as originally approved, nor did Minor Amendment No. 1 increase other Project impacts on the Covered Species (i.e., "impacts of taking" as used in Fish and Game Code Section 2081, subd. (b)(2)). Issuance of Minor Amendment No. 1 did not affect CDFW's previous determination that issuance of the ITP met and was otherwise consistent with the permitting criteria set forth in Fish and Game Code section 2081, subdivisions (b) and (c).

On May 30, 2023, CDFW issued Major Amendment No. 2 which expanded the Work Area at the L225 Site to allow for replacement of an approximately 150-foot segment of pipeline and increased the size of the staging/laydown area surrounding the larger excavation area. Upon exposure of a 50-foot segment of pipe for inspection and repair at this location, it was determined the current condition of the pipe segment has approximately 40% wall loss deterioration in sections and an immediate replacement of a segment of approximately 150 feet of L225 is needed. In addition to an expanded L225 footprint, the Permittee requested to add a number of construction activities to the Project Description, equipment, and Covered Activities associated with pipe repair and replacement. Permittee also requested to update the Principal Officer and extend the ITP expiration date by another six months, to January 31, 2024, because work at the L85 Site has been delayed while awaiting Federal Endangered Species Act permitting. CDFW determined that additional Habitat Management Lands were necessary to fully mitigate the additional temporary impacts to Covered Species habitat. CDFW found that this Amendment was a Major Amendment, as defined in California Code of Regulations, title 14, section 783.6, subdivision (c)(5). Issuance of Major Amendment No. 2 increased the amount of take of the Covered Species compared to the Project as originally approved; however, by implementing Conditions of Approval, Major Amendment No. 2 did not increase Project impacts on these species (i.e., "impacts of taking" as used in Fish and Game Code Section 2081, subd. (b)(2)). Issuance of Major Amendment No. 2 did not affect CDFW's previous determination that issuance of the ITP meets and was otherwise consistent with the permitting criteria set forth in Fish and Game Code section 2081, subdivisions (b) and (c).

On December 21, 2023, CDFW received a request from the Permittee for a major amendment to the ITP, as amended, and the corresponding fee payment on December 29, 2023. Prior to issuance of this major amendment, the Permittee needed to resolve a number of non-compliance issues that were documented in a Notice of

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Non-Compliance Letter dated September 26, 2023. CDFW received the Permittee's resolution of the non-compliance issues on September 25, 2024. CDFW accepted the Permittee's non-compliance resolution on November 15, 2024. While working to resolve the non-compliance issues, the Permittee requested additional changes to the ITP. The revised request includes: updating the Principal Officer and Contact Person on the ITP, extending the expiration date from January 31, 2024, to January 31, 2026; repairing and remediating erosion and sinkholes that formed at the L225 site; expanding L85 Work Area 5 by 1.068 acres; adding San Joaquin kit fox (*Vulpes macrotis mutica*; SJKF) as a Covered Species; and revising Conditions of Approval to allow flexibility for work hours, temporary lighting, parking, and equipment fueling. CDFW finds that this Amendment is a Major Amendment, as defined in California Code of Regulations, title 14, section 783.6, subdivision (c)(5). Issuance of this Major Amendment No. 3 will the amount of take of the Covered Species compared to the Project as originally approved; however, by implementing Conditions of Approval, it is not expected that this Amendment will increase Project impacts on these species (i.e., "impacts of taking" as used in Fish and Game Code Section 2081, subd. (b)(2)). Issuance Major Amendment No. 3 does not affect CDFW's previous determination that issuance of the ITP meets and is otherwise consistent with the permitting criteria set forth in Fish and Game Code section 2081, subdivisions (b) and (c).

CDFW now reissues this ITP including the revised provisions in all previous and this third amendment (collectively, the Amended ITP). The Amended ITP includes all the operative provisions as of the issue date of this Amended ITP. Attachment 4 to this Amended ITP shows the specific red-line changes made to the ITP as a result of this major amendment (Amendment No. 3). Figure 2 is replaced with Figure 2a to depict the expanded L85 Work Area.

### **III. Effective Date and Expiration Date of this ITP:**

This ITP shall become effective when signed by all parties and received by CDFW as described in the Notices section of this ITP. Unless renewed by CDFW, this ITP and its authorization to take the Covered Species shall expire on **January 31, 2026**.

Notwithstanding the expiration date on the take authorization provided by this ITP, Permittee's obligations pursuant to this ITP do not end until CDFW accepts as complete the Permittee's Final Mitigation Report required by Condition of Approval 4.10 of this ITP.

### **IV. Project Location:**

The Southern California Gas Company Gas Pipeline Recoat and Anode Install Project (Project) is located within Kern County, California. The Project is comprised of two separate Work Sites, L225 and L85.

The L225 Site is located approximately one mile south of State Route 119, and the approximate center is located at 35.251245° N and -119.264576° W on private land owned by California Resources Corporation (Figure 1). The L225 Site occurs within the Tupman United States Geological Survey (USGS) 7.5-minute topographic quadrangle on Assessor's

Parcel Numbers (APNs) 184-012-051, and is within Township 31 South, Range 25 East, and Section 11, Mount Diablo baseline meridian (Figure 2a).

The L85 Site is located approximately one mile east of State Route 33, and the approximate center is located at 35.422375° N and -119.660266° W on private land owned by California Resources Corporation and Chevron Corporation (Figure 1). The L85 Site occurs within the Belridge USGS 7.5-minute topographic quadrangle on APNs 099-230-49 and 098-113-13, and is within Township 29 South, Range 21 and 22 East, and Sections 12 and 07, Mount Diablo baseline meridian (Figure 3a).

## **V. Project Description:**

The purpose of the Project is to repair or replace two sections of high-pressure gas pipeline to prevent pipeline failure. Additionally, installation of anodes will provide cathodic protection of the pipelines. The two Work Sites included in the Project are eTS 43141 Line 225 MP 3.28 (L225 Site) and eTS 44051 Line 85 MP 49.9 (L85 Site) (Figure 1).

Prior to excavation activities, approximately three to four potholes will be dug by hand to identify the location of the pipeline. Excavation of up to approximately 190-foot long by 40-foot wide and approximately 15-foot deep trench will be required to expose the underground gas lines. Approximately 8,444 cubic yards of excavated soil (spoils) will be stockpiled adjacent to the trenches within the designated staging areas (Figure 2a and Figure 3a). Once exposed, the pipelines will be abated, removing asbestos-containing material and the pipeline surfaces will be cleaned of dirt and debris to prepare the surface for recoating.

Once cleaned of all coating, dirt, and debris, the integrity of the pipes will be inspected both visually and using wave and b-scan inspection equipment, portable phased-array ultrasonic testing, and/or portable hand and pipe latching equipment. If anomalies are detected during inspection, they must be immediately remedied by repairs or replacements. Depending on the severity, minor anomalies may be remedied by installing soft padding around the affected area using hand tools. Moderate anomalies that cannot be remedied via soft padding will be remediated by installing a patch called a wedding band around the anomaly. This repair entails a metal sleeve of greater thickness but the same diameter and grade as the existing pipe being placed over the anomaly and welded into place.

If severe anomalies are detected, the section of pipeline up to 150 feet may need to be replaced which entails the affected pipe segment being cut and removed from the trench and a replacement segment of the same grade and thickness welded into place. If severe anomalies occur beyond 190 feet, trenching will continue as needed until the extent of the defined Work Site boundary is reached. Additionally, if abandoned pipe(s) or other materials are discovered during excavation activities, they will be removed and disposed of accordingly. Replacement will require that the pipeline is isolated and cross-compressed to remove gas from the replacement segment utilizing two stopple fittings. All field welding will be performed by qualified welders in accordance with the American Petroleum Institute

Standard 1104 (Welding Pipe Lines and Related Facilities) and Title 49, Part 192 of the Code of Federal Regulations.

The exposed pipeline segment will then be recoated with up to two coats of fusion-bonded epoxy or similar material. Next, approximately four (4) interference anodes will be installed adjacent to the pipeline. The anodes will be attached to the pipe via three #8 wires and connected to a Fink Head Test Station, a small metal-plated terminal used for monitoring electric currents and potential, or similar equipment. The trench will then be backfilled with zero-sack slurry, or wet sand, to approximately 18 inches above the top of the existing pipe, then with either the native excavated spoils or clean fill as needed, returning the temporary disturbance area to pre-project condition. Excess soil may be hauled off site for disposal at an approved facility.

The L85 Site includes an approximately 190-foot section of 26-inch diameter high-pressure gas line, with a staging/laydown area of approximately 49,943 square feet surrounding the approximately 7,600 square foot excavation area. The staging/laydown area and excavation area make up the 57,543 square foot (1.321 acres) work area (Figure 2a). Minor vegetation trimming/removal may occur in the disturbance area. The site will be accessed via existing paved and dirt roads which are not expected to require grading or improvements.

The L225 Site includes an approximately 190-foot section of 34-inch diameter high-pressure gas line, with a staging/laydown area of approximately 88,033 square feet surrounding the approximately 7,600 square foot excavation area. The staging/laydown area and excavation area make up the 95,633 square foot (2.195 acres) work area (Figure 3a). Any erosion or sinkholes that have formed or are forming will be repaired by over-excavating the area and backfilling with native or clean, imported fill and compacted. The site will be accessed via existing paved and dirt roads which are not expected to require grading or improvements.

The Project will occur within an area of approximately 3.516 acres for the two pipeline work areas (Work Areas), of which 0.757 acre is disturbed/developed (existing unvegetated, compacted dirt roads) and 2.759 acres is valley saltbush scrub/non-native grassland. Project activities at each Work Area are anticipated to take approximately 5 months to complete. Nightwork may be needed for welding, pipeline tie-in, and cross compression activities. Project activities at each Work Area will be complete following post construction site restoration, including returning the temporary disturbance area to pre-project condition. Equipment for the Project is anticipated to include a tracked excavator, loader, water truck, reach lift/forklift, crane, welding truck, towable air compressor, portable restrooms, job site containers/trailers (as needed), two baker tanks, two side booms, and approximately six (6) work trucks.

## VI. Covered Species Subject to Take Authorization Provided by this ITP:

This ITP covers the following species:

<u>Name</u>	<u>CESA Status</u> <sup>4</sup>
1. San Joaquin antelope squirrel ( <i>Ammospermophilus nelsoni</i> ) (SJAS)	Threatened <sup>5</sup>
2. Tipton kangaroo rat ( <i>Dipodomys nitratoide nitratoide</i> ) (TKR)	Endangered <sup>6</sup>
3. Giant kangaroo rat ( <i>Dipodomys ingens</i> ) (GKR)	Endangered <sup>7</sup>
4. San Joaquin kit fox ( <i>Vulpes macrotis mutica</i> ) (SJKF)	Threatened <sup>8</sup>

These species and only these species are the “Covered Species” for the purposes of this ITP.

## VII. Impacts of the Taking on Covered Species:

Project activities and their resulting impacts are expected to result in the incidental take of individuals of the Covered Species. The activities described above expected to result in incidental take of individuals of the Covered Species include: clearing; grubbing; removing vegetation; excavating; stockpiling soil; cleaning and removing existing pipeline coating; cutting pipeline section; repairing or replacing pipeline section; cross-compression; welding; installing new fusion-bonded epoxy coating or similar material; installation of interference anodes; reburial of pipeline; compacting soil; materials and equipment laydown and storage; transporting construction materials and other Project-related traffic; site recontouring; and other activities described in the Project Description section of this ITP (Covered Activities).

Incidental take of individuals of the Covered Species in the form of mortality (“kill”) may occur as a result of Covered Activities such as den or burrow collapse that results in crushing or suffocation of underground individuals during vegetation removal, grubbing, excavation, and compaction; entombment of individuals from deposition of stockpiled material, or spoils over occupied burrows; entrapment and burial within uncovered excavations; crushing by equipment; and vehicle/equipment strikes from Project-related traffic during construction activities. Incidental take of individuals of the Covered Species may also occur from the Covered Activities in the form of pursue, catch, capture, or attempt to do so of the Covered Species from is also expected through the entrapment in trenches and excavations, uncovering Covered Species through the excavation of burrow systems, by corralling Covered Species into a confined area when barrier fencing is constructed around the Project Area, and when individuals of the Covered Species are relocated out of harm’s way as required by this ITP. The areas where authorized take of the Covered Species is expected to occur include the two pipeline repair Work Areas (collectively, the Project Area).

The Project is expected to cause the temporary loss of 2.759 acres of habitat for the Covered Species. Impacts of the authorized taking also include adverse impacts to the Covered

<sup>4</sup>Under CESA, a species may be on the list of endangered species, the list of threatened species, or the list of candidate species.

<sup>5</sup>See Cal. Code Regs. tit. 14 § 670.5, subd. (b)(6)(B).

<sup>6</sup>See Id., subd. (a)(6)(D).

<sup>7</sup>See Id., subd. (a)(6)(C).

<sup>8</sup>See Id., subd. (b)(6)(E).

Species related to temporal losses, increased habitat fragmentation and edge effects, and the Project's incremental contribution to cumulative impacts (indirect impacts). These impacts include: stress resulting from noise and vibrations from ground disturbance, equipment operation, and traffic; stress resulting from capture and relocation; increased exposure or stress from disorientation; introduction or spread of invasive species; and long-term effects due to displacement from preferred habitat, loss of foraging habitat, changes in drainage patterns that favor different vegetative growth, increased pollution, increased competition for food and space, loss of burrowing habitat used for shelter, reproduction, and escape cover, and increased vulnerability to disease and predation. Individuals displaced due to habitat loss and degradation may be unable to survive in adjacent areas if these areas are at carrying capacity or are unsuitable for colonization. Authorized take of the Covered Species is expected to occur throughout the entire Project Area.

### **VIII. Incidental Take Authorization of Covered Species:**

This ITP authorizes incidental take of the Covered Species and only the Covered Species. With respect to incidental take of the Covered Species, CDFW authorizes the Permittee, its employees, contractors, and agents to take Covered Species incidentally in carrying out the Covered Activities, subject to the limitations described in this section and the Conditions of Approval identified below. This ITP does not authorize take of Covered Species from activities outside the scope of the Covered Activities, take of Covered Species outside of the Project Area, take of species that are not Covered Species in this ITP (e.g., San Joaquin kit fox), take of Covered Species resulting from violation of this ITP, or intentional take of Covered Species except for capture and relocation of Covered Species as authorized by this ITP.

### **IX. Conditions of Approval:**

Unless specified otherwise, the following measures apply to all Covered Activities within the Project Area, including areas used for vehicular ingress and egress, staging and parking, and noise and vibration generating activities that may/will cause take. CDFW's issuance of this ITP and Permittee's authorization to take the Covered Species are subject to Permittee's compliance with and implementation of the following Conditions of Approval:

- 1. Legal Compliance:** Permittee shall comply with all applicable federal, state, and local laws in existence on the effective date of this ITP or adopted thereafter.
- 2. ITP Time Frame Compliance:** Permittee shall fully implement and adhere to the conditions of this ITP within the time frames set forth below and as set forth in the Mitigation Monitoring and Reporting Program (MMRP), which is included as Attachment 1 to this ITP.

### **3. General Provisions:**

- 3.1. Designated Representative.** Before starting Covered Activities, Permittee shall designate a representative (Designated Representative) responsible for

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communications with CDFW and overseeing compliance with this ITP. Permittee shall notify CDFW in writing before starting Covered Activities of the Designated Representative's name, business address, and contact information, and shall notify CDFW in writing if a substitute Designated Representative is selected or identified at any time during the term of this ITP.

- 3.2. Designated Biologist(s) and Designated Monitor(s).** Permittee shall submit to CDFW in writing the name, qualifications, business address, and contact information of the Designated Biologist(s) and Designated Monitor(s) using the Biologist Resume Form (Attachment 2) or another format containing the same information before starting Covered Activities. Permittee shall ensure that the Designated Biologist(s) and Designated Monitor(s) are knowledgeable and experienced in the biology and natural history of the Covered Species. Permittee shall also ensure the Designated Biologist's experience with: collecting, handling, and excavating burrows to minimize mortality of SJAS, TKR, and GKR and monitoring, evicting, and excavating dens being actively used by SJKF. The Designated Biologist(s) and Designated Monitor(s) shall be responsible for monitoring Covered Activities to help minimize and fully mitigate or avoid the incidental take of individual Covered Species and to minimize disturbance of Covered Species' habitat. Designated Monitor responsibilities will be restricted to a specific set of Conditions of Approval requested by the Permittee at the time of resume submittal. Designated Monitor(s) may assist the Designated Biologist in compliance monitoring under direction of the Designated Biologist. Permittee shall obtain CDFW approval of the Designated Biologist(s) and Designated Monitor(s) in writing before starting Covered Activities and shall also obtain approval in advance, in writing, if the Designated Biologist(s) or Designated Monitor(s) must be changed.
- 3.3. Designated Biologist/Designated Monitor Authority.** To ensure compliance with the Conditions of Approval of this ITP, the Designated Biologist and/or Designated Monitor shall immediately stop any activity that does not comply with this ITP and/or order any reasonable measure to avoid the unauthorized take of an individual of the Covered Species. Permittee shall provide unfettered access to the Project Site and otherwise facilitate the Designated Biologist and/or Designated Monitor in the performance of his/her duties. If the Designated Biologist and/or Designated Monitor is unable to comply with the ITP, then the Designated Biologist and/or Designated Monitor shall notify the CDFW Representative immediately. Permittee shall not enter into any agreement or contract of any kind, including but not limited to non-disclosure agreements and confidentiality agreements, with its contractors and/or the Designated Biologist(s), and/or Designated Monitor(s) that prohibit or impede open communication with CDFW, including but not limited to providing CDFW staff with the results of any surveys, reports, or studies or notifying CDFW of any non-compliance or take. Failure to notify CDFW of any non-compliance or take or injury of a Covered Species as a result of such



agreement or contract may result in CDFW taking actions to prevent or remedy a violation of this ITP.

- 3.4. Education Program.** Permittee shall conduct an education program for all persons employed or otherwise working in the Project Area before performing any work. The program shall consist of a presentation from the Designated Biologist that includes a discussion of the biology and general behavior of the Covered Species, information about the distribution and habitat needs of the Covered Species, sensitivity of the Covered Species to human activities, its status pursuant to CESA including legal protection, recovery efforts, penalties for violations and Project-specific protective measures described in this ITP. Permittee shall prepare and distribute wallet-sized cards or a fact sheet handout containing this information for workers to carry in the Project Area. Permittee shall provide interpretation for non-English speaking workers, and the same instruction shall be provided to any new workers before they are authorized to perform work in the Project Area. Upon completion of the program, employees shall sign a form stating they attended the program and understand all protection measures. Permittee shall provide CDFW with a copy of all education program materials before starting Covered Activities and copies of the signed acknowledgment forms as described in Condition of Approval 4.8.
- 3.5. Construction Monitoring Documentation.** The Designated Biologist shall maintain construction-monitoring documentation on-site in either hard copy or digital format throughout the construction period, which shall include a copy of this ITP with attachments and a list of signatures of all personnel who have successfully completed the education program. Permittee shall ensure a copy of the construction-monitoring documentation is available for review at the Project site upon request by CDFW.
- 3.6. Trash Abatement.** Permittee shall initiate a trash abatement program before starting Covered Activities and shall continue the program for the duration of the Project. Permittee shall ensure that trash and food items are contained in animal-proof containers and removed, ideally at daily intervals but at least once a week, to avoid attracting opportunistic predators such as ravens, coyotes, and feral dogs.
- 3.7. Dust Control.** Permittee shall implement dust control measures during Covered Activities to facilitate visibility for monitoring of the Covered Species by the Designated Biologist. Permittee shall keep the amount of water used to the minimum amount needed and shall not allow water to form puddles. Permittee shall not apply dust suppressant, surfactant, soil binders, or stabilizer products that may be harmful to Covered Species. Permittee shall obtain written approval from CDFW before applying any dust suppressant, surfactant, soil binders, or stabilizer products. Permittee shall provide all available documentation of each product's safety or hazards to wildlife to CDFW with any such request for approval.

- 3.8. Erosion Control Materials.** Permittee shall prohibit use of erosion control materials potentially harmful to Covered Species and other species, such as monofilament netting (erosion control matting) or similar material, in potential Covered Species' habitat. Permittee shall deploy erosion control mats, blankets, or coir rolls consisting of only natural-fiber, biodegradable materials.
- 3.9. Dogs.** Permittee shall prohibit domestic dogs from the Project Area and the site access routes during Covered Activities, except those in the possession of authorized security personnel or local, State, or federal law enforcement officials.
- 3.10. Wildfire Avoidance.** Permittee or Permittee's contractors shall minimize the potential for human-caused wildfires by carrying water or fire extinguishers and shovels in all Project-related vehicles and equipment. The use of shields, protective mats, or use of other fire preventative methods shall be used during grinding and welding to minimize the potential for fire. Personnel shall be trained regarding the fire hazard for wildlife as a part of the worker education program described in Condition of Approval 3.4.
- 3.11. Delineation of Property Boundaries.** Before starting Covered Activities, Permittee shall clearly delineate the boundaries of the Project Area with fencing, stakes, or flags. Permittee shall restrict all Covered Activities to within the fenced, staked, or flagged areas. Permittee shall maintain all fencing, stakes, and flags until the completion of Covered Activities in that area.
- 3.12. Delineation of Habitat.** Permittee shall clearly delineate habitat of the Covered Species within the Project Area with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species' habitat. Permittee shall maintain all signs, stakes, flags, rope, cord, and fencing until the completion of Covered Activities in that area, at which time they should be removed.
- 3.13. Project Access.** Project-related personnel shall access the Project Area using existing routes and shall not cross Covered Species' habitat outside of or en route to the Project Area. Permittee shall restrict Project-related vehicle traffic to established roads, staging, and parking areas. Permittee shall ensure that vehicle speeds do not exceed 20 miles per hour during daylight hours (sunrise to sunset) and 10 miles per hour during nighttime hours to avoid Covered Species on or traversing the roads. If Permittee determines construction of routes for travel are necessary outside of the Project Area, the Designated Representative shall contact CDFW for written approval before carrying out such an activity. CDFW may require an amendment to this ITP, among other reasons, if additional take of Covered Species will occur as a result of the Project modification.

- 3.14. Staging Areas.** Permittee shall confine all Project-related parking, storage areas, laydown sites, equipment storage, and any other surface-disturbing activities to the Project Area using, to the extent possible, previously disturbed areas. Additionally, Permittee shall not use or cross Covered Species' habitat outside of the marked Project Area unless provided for as described in Condition of Approval 3.13 of this ITP.
- 3.15. Hazardous Waste.** Permittee shall immediately stop and, pursuant to pertinent state and federal statutes and regulations, arrange for repair and clean up by qualified individuals of any fuel or hazardous waste leaks or spills at the time of occurrence, or as soon as it is safe to do so. Permittee shall exclude the storage and handling of hazardous materials from the Project Area and shall properly contain and dispose of any unused or leftover hazardous products off-site.
- 3.16. CDFW Access.** Permittee shall provide CDFW staff with reasonable access to the Project and mitigation lands under Permittee control and shall otherwise fully cooperate with CDFW efforts to verify compliance with or effectiveness of mitigation measures set forth in this ITP.
- 3.17. Refuse Removal.** Upon completion of Covered Activities, Permittee shall remove from the Project Area and properly dispose of all temporary fill and construction refuse, including, but not limited to, broken equipment parts, wrapping material, cords, cables, wire, rope, strapping, twine, buckets, metal or plastic containers, and boxes.
- 3.18. Rodenticide Use.** Permittee shall prohibit the use of rodenticides in the Project Area.

#### **4. Monitoring, Notification and Reporting Provisions:**

- 4.1. Notification Before Commencement.** The Designated Representative shall notify CDFW three (3) calendar days before starting Covered Activities and shall document compliance with all pre-Project Conditions of Approval before starting Covered Activities.
- 4.2. Notification of Non-compliance.** The Designated Representative or Designated Biologist shall notify CDFW by phone or email within 4 hours of the discovery if the Permittee is not in compliance with any Condition of Approval of this ITP, including but not limited to any actual or anticipated failure to implement measures within the time periods indicated in this ITP and/or the MMRP. The Designated Representative or Designated Biologist shall follow up within 24 hours with a written report to CDFW describing, in detail, any non-compliance with this ITP and suggested measures to remedy the situation.

- 4.3. SJAS Mortality Reduction and Relocation Plan.** Permittee shall submit a SJAS Mortality Reduction and Relocation Plan to CDFW prior to beginning Covered Activities. Burrow excavation activities shall not proceed until this plan has been approved in writing by CDFW's Regional Representative. The SJAS Mortality Reduction and Relocation Plan shall include, but not be limited to, timing; detailed burrow excavation methods; release location(s); detailed release methods (i.e., soft release, hard release, or another method); artificial burrow design and installation methods (if needed); and identification of a wildlife rehabilitation center or veterinary facility capable of and willing to treat injured SJAS. Once the SJAS Mortality Reduction and Relocation Plan is approved in writing by CDFW, it shall be used for all SJAS mortality reduction activities for the duration of this ITP. Any proposed changes to the CDFW-approved SJAS Mortality Reduction and Relocation Plan shall be submitted in writing to CDFW and approved by CDFW in writing prior to implementation of any proposed SJAS Mortality Reduction and Relocation Plan modifications.
- 4.4. TKR Mortality Reduction and Relocation Plan.** Permittee shall submit a TKR Mortality Reduction and Relocation Plan to CDFW prior to beginning Covered Activities. Trapping, burrow excavation, and other relocation activities shall not proceed until this plan has been approved in writing by CDFW's Regional Representative. The TKR Mortality Reduction and Relocation Plan shall include, but not be limited to, timing; detailed description of trapping methodology; detailed burrow excavation methods; release location(s); detailed release methods (i.e., soft release or another method); artificial burrow design and installation methods; description of exclusion fencing type and implementation; and identification of a wildlife rehabilitation center or veterinary facility capable of and willing to treat injured TKR. Once the TKR Mortality Reduction and Relocation Plan is approved in writing by CDFW, it shall be used for all TKR mortality reduction activities for the duration of this ITP. Any proposed changes to the CDFW-approved TKR Mortality Reduction and Relocation Plan shall be submitted in writing to CDFW and approved by CDFW in writing prior to implementation of any proposed TKR Mortality Reduction and Relocation Plan modifications.
- 4.5. GKR Mortality Reduction and Relocation Plan.** Permittee shall submit a GKR Mortality Reduction and Relocation Plan to CDFW prior to the start of Covered Activities. Burrow excavation and relocation activities shall not proceed until this plan has been approved in writing by CDFW's Regional Representative. The GKR Mortality Reduction and Relocation Plan shall include, but not be limited to, timing; detailed description of trapping methodology; detailed description of the burrow excavation methods; release location(s); detailed release methods (i.e., soft release or another method); artificial burrow design and installation methods; and identification of a wildlife rehabilitation center or veterinary facility for injured animals. Approved Designated Monitors may capture, handle, and relocate GKR under the direct supervision of the Designated Biologist. Once the GKR Mortality

Reduction and Relocation Plan is approved by CDFW, it shall be used for all GKR relocation activities for the duration of this ITP. Any proposed changes to the CDFW-approved GKR Mortality Reduction and Relocation Plan shall be submitted in writing to CDFW and approved by CDFW in writing prior to implementation of any proposed GKR Mortality Reduction and Relocation Plan modifications.

- 4.6. Compliance Monitoring.** The Designated Biologist shall be on-site daily to conduct compliance monitoring when Covered Activities occur. The Designated Biologist shall conduct daily compliance inspections during active construction and compliance inspections a minimum of once per week during periods of inactivity. The Designated Biologist shall conduct compliance inspections to:

- (1) minimize incidental take of the Covered Species;
- (2) prevent unlawful take of species;
- (3) check for compliance with all measures of this ITP;
- (4) check all exclusion zones; and
- (5) ensure that signs, stakes, and fencing are intact, and that Covered Activities are only occurring in the Project Area.

In addition to daily compliance inspections required by this Condition of Approval, the Designated Representative and Designated Biologist(s) shall ensure that all other inspections required by this ITP are conducted at the frequencies (i.e., interval, time(s) of day, following weather events, etc.) required by other specific Conditions of Approval. The Designated Representative or Designated Biologist shall prepare daily written observation and inspection records summarizing oversight activities and compliance inspections, observations of Covered Species and their sign, survey results, and monitoring activities required by this ITP.

- 4.7. Record of Covered Species Relocated.** The Designated Biologist shall maintain a record of all Covered Species handled and observed. This information shall include for each animal: (1) the locations (Global Positioning System (GPS) coordinates and maps) and time of capture and/or observation as well as release; (2) sex; (3) approximate age (adult/juvenile) and reproductive condition; (4) weight; (5) general condition and health, noting visible conditions including gait and behavior, diarrhea, emaciation, salivation, hair loss, ectoparasites, and injuries; and (6) ambient temperature when handled and released. The Designated Biologist shall prepare a Relocation Summary and include it in the Weekly Compliance Report described in Condition of Approval 4.8 below. The Relocation Summary in the Final Mitigation Report described in Condition of Approval 4.10 below shall include cumulative results, analysis of data collected, and conclusions.

- 4.8. Weekly Compliance Report.** The Designated Representative or Designated Biologist shall compile the observation and inspection records identified in Condition of Approval 4.6 and 4.7 into a Weekly Compliance Report and submit it to CDFW along with a copy of the MMRP table with notes showing the current implementation status of each mitigation measure. Weekly Compliance Reports shall also include an accounting of the number of acres that have been permanently and temporarily disturbed by the Project within the Project Area, both for the prior week, and the total since ITP issuance, if applicable; the number of acres of habitat disturbance anticipated to occur in the Project Area during the coming week, if applicable; a summary of all pre-activity surveys and compliance monitoring conducted during the previous week; and the activities authorized under the Covered Activities which occurred during the previous week. Weekly Compliance Reports shall be submitted via e-mail to CDFW's Regional Representative, Regional CESA Program, and Headquarters CESA Program no later than the first Monday following commencement of Covered Activities and each Monday thereafter. At the time of this ITP's approval, the CDFW Regional Representative is Shaelyn Latronica ([Shaelyn.Latronica@wildlife.ca.gov](mailto:Shaelyn.Latronica@wildlife.ca.gov)), Regional CESA Program email is [R4CESA@wildlife.ca.gov](mailto:R4CESA@wildlife.ca.gov), and Headquarters CESA Program email is [CESA@wildlife.ca.gov](mailto:CESA@wildlife.ca.gov). CDFW may at any time increase the timing and number of compliance inspections and reports required under this provision depending upon the results of previous compliance inspections. If CDFW determines the reporting schedule must be changed, CDFW will notify Permittee in writing of the new reporting schedule.
- 4.9. CNDDDB Observations.** The Designated Biologist shall submit all observations of Covered Species to CDFW's California Natural Diversity Database (CNDDDB) within seven (7) calendar days of the observation and the Designated Biologist shall include copies of the submitted forms with the next Weekly Compliance Report.
- 4.10. Final Mitigation Report.** No later than 30 days after completion of all mitigation measures, Permittee shall provide CDFW with a Final Mitigation Report. The Designated Biologist shall prepare the Final Mitigation Report which shall include, at a minimum: (1) a summary of all Weekly Compliance Reports; (2) a copy of the table in the MMRP with notes showing when each of the mitigation measures was implemented; (3) all available information about Project-related incidental take of the Covered Species; (4) information about other Project impacts on the Covered Species; (5) beginning and ending dates of Covered Activities; (6) an assessment of the effectiveness of this ITP's Conditions of Approval in minimizing and fully mitigating Project impacts of the taking on Covered Species; (7) recommendations on how mitigation measures might be changed to more effectively minimize take and mitigate the impacts of future projects on the Covered Species; and (8) any other pertinent information.

**4.11. Notification of Take or Injury.** Permittee shall immediately notify the Designated Biologist if a Covered Species is taken or injured by a Project-related activity, or if a Covered Species is otherwise found dead or injured within the vicinity of the Project. The Designated Biologist or Designated Representative shall provide initial notification to CDFW by calling the Regional Office at (559) 243-4005 and by email to the CDFW's Regional Office ([R4CESA@wildlife.ca.gov](mailto:R4CESA@wildlife.ca.gov)) and CDFW Representative ([Shaelyn.Latronica@wildlife.ca.gov](mailto:Shaelyn.Latronica@wildlife.ca.gov)). The initial notification to CDFW shall include information regarding the location, species, and number of animals taken or injured and the ITP Number. Following initial notification, Permittee shall send CDFW a written report within two calendar days. The report shall include the date and time of the finding or incident, location of the animal or carcass, and if possible, provide a photograph, explanation as to cause of take or injury, and any other pertinent information.

**5. Take Minimization Measures:** The following requirements are intended to ensure the minimization of incidental take of Covered Species in the Project Area during Covered Activities. Permittee shall implement and adhere to the following conditions to minimize take of Covered Species:

- 5.1. Designated Biologist On Site.** The Designated Biologist shall be on site for the duration of the day during all activities that may result in the take of Covered Species.
- 5.2. Work Hours.** Permittee shall confine all surface- or vegetation-disturbing activities to daylight hours (sunrise to sunset) except activities occurring overnight that are specifically described in the Project Description section of this ITP. Permittee shall ensure that all vehicle traffic necessary during nighttime hours shall be conducted with extra caution to minimize impacts to nocturnal species. Nightwork may be permitted with written authorization from CDFW (e-mail will suffice) if any additional nightwork shall occur.
- 5.3. Lighting.** Permittee shall not use temporary, fixed, exterior lighting, including motion-triggered security lighting, that casts light on Covered Species habitat beyond the footprint of the Project Area between sunset and sunrise except the use of temporary light towers for activities occurring overnight specifically described in the Project Description section of this ITP, or unless authorized in writing from CDFW. Permittee shall ensure that all temporary, exterior, fixed lighting used within the Project Area is turned on only when people are present and does not cast light on Covered Species habitat beyond the Project Area footprint. Permittee shall not install permanent lighting at the Project Area.
- 5.4. Delineation of Ingress and Egress Routes.** Permittee shall flag or otherwise clearly mark all access roads in the field from the paved road and vehicle operation shall be limited to these designated ingress and egress routes.

- 5.5. Equipment Fueling.** Permittee shall ensure that all equipment fueling and equipment maintenance occur at least 25 feet from Covered Species burrows and dens, unless fueling and maintenance occurs within the fenced Work Areas where burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30 and 5.34 below, or approved in advance in writing by CDFW. Permittee shall ensure that sufficient spill containment and cleanup equipment shall be present at all fueling locations. Permittee shall request written authorization from CDFW (email will suffice) if any additional fueling and maintenance locations are necessary outside of the Work Area.
- 5.6. Vehicle Parking.** Permittee shall not allow vehicles to park on top of Covered Species burrows and dens. Permittee shall restrict parking to within designated staging and parking areas for which burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30, and 5.34. Vehicles left overnight shall be located at least 50 feet from all Covered Species dens and burrows unless parking occurs within the fenced Work Areas where vegetation has been removed and burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30, and 5.34, or approved in advance in writing by CDFW.
- 5.7. Vehicle and Equipment Inspection.** Workers shall inspect for Covered Species under vehicles and equipment every time before the vehicles and equipment are moved. If a Covered Species is present, the worker shall notify the Designated Biologist and wait for the Covered Species to move unimpeded to a safe location. Alternatively, the Designated Biologist shall move the SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans as required in Conditions of Approval 4.3, 4.4, and 4.5 above.
- 5.8. Stockpiling Materials.** Permittee shall stockpile all materials and equipment in a manner that discourages Covered Species' use. In all locations, bundled or loose materials shall not be placed directly on the ground. These materials shall be elevated to discourage use by Covered Species.
- 5.9. Soil Stockpiles.** Permittee shall ensure that soil stockpiles are placed where soil will not pass into any other "Waters of the State," in accordance with Fish and Game Code Section 5650. Permittee shall protect stockpiles to prevent soil erosion.
- 5.10. Materials Inspection.** Workers shall thoroughly inspect all construction pipe, culverts, or other similar structures with a diameter of one inch or greater that are stored for one or more overnight periods for the Covered Species before the structure is subsequently moved, buried, or capped. If during inspection, a Covered Species is discovered inside a pipe, culvert, or similar structure, workers shall notify the Designated Biologist and wait for the Covered Species to move unimpeded to a safe location before moving and utilizing the structure.

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**PIPELINE RECOAT AND ANODE INSTALL PROJECT**



Alternatively, the Designated Biologist shall move SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5 above.

- 5.11. Excavation Inspection.** The Designated Biologist and/or Designated Monitor shall inspect all trenches, open holes, sumps, and other excavations within the Project Area at the beginning and end of each day for trapped animals. All trenches, holes, sumps, and other excavations with sidewalls steeper than a 1:1 (45 degree) slope shall be covered when workers or equipment are not actively working in the excavation, which includes cessation of work overnight, or shall have an escape ramp of earth or a non-slip material with a less than 1:1 (45 degree) slope. To prevent inadvertent entrapment of the Covered Species, the Designated Biologist and/or Designated Monitor shall oversee the covering of all trenches, holes, sumps, or other excavations with sidewalls greater than 1:1 (45 degree) slope of any depth with barrier material (such as hardware cloth) at the close of each working day such that animals are unable to dig or squeeze under the barrier and become entrapped. The outer two feet of excavation cover shall conform to solid ground so that gaps do not occur between the cover and the ground and secured with soil staples or similar means to prevent gaps. The Designated Biologist and/or Designated Monitor shall thoroughly inspect trenches, holes, sumps, or other excavations for Covered Species each morning, end of each day (including weekends and any other non-work days unless temporary exclusion fencing completely surrounds the excavation area), and immediately before they are back-filled. Designated Biologist and/or Designated Monitor shall also thoroughly inspect any trenches, holes, sumps, or other excavations that are covered long-term at the beginning of each working day to ensure inadvertent entrapment has not occurred and shall make any necessary repairs to the cover. If any worker discovers a Covered Species has become trapped, Permittee shall cease all Covered Activities in the vicinity and notify the Designated Biologist immediately. Project workers and the Designated Biologist shall allow the Covered Species to escape unimpeded if possible before Covered Activities are allowed to continue, or the Designated Biologist shall capture and relocate the SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5 above.
- 5.12. Pipes and other Structural Entrapment Prevention.** Permittee shall ensure that all pipes, hoses, conduit, culverts, or similar materials stockpiled or installed in the Project Area are capped or otherwise enclosed at the ends to prevent entry by Covered Species. Permittee shall not leave any permanent pipes, conduit, electrical cabinets, or similar materials or structures open where Covered Species may enter them and become trapped. The Designated Biologist and/or Designated Monitor shall thoroughly inspect all such materials for Covered Species before they

are moved, buried, or capped. If a Covered Species is discovered inside such material, that section of material shall not be moved until the animal has escaped of its own accord. If a Covered Species inside such materials does not vacate of its own accord within a reasonable timeframe, CDFW shall be contacted and Permittee shall get written concurrence prior to proceeding with eviction of the Covered Species.

- 5.13. Covered Species Observations.** All workers shall inform the Designated Biologist if the Covered Species is seen within or near the Project Area during implementation of any Covered Activity. All work in the vicinity of the Covered Species, which could harm the animal, shall cease until the Covered Species moves from the Project Area of its own accord or the Designated Biologist moves the SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5 above.
- 5.14. Delineation of Environmentally Sensitive Areas.** Permittee shall clearly delineate Environmentally Sensitive Areas in the Project Area prior to the start of ground-disturbing activities. Environmentally Sensitive Areas are defined as all areas that warrant special protection and work exclusion zones, as defined in Conditions of Approval 5.20, 5.22, 5.26, and 5.32 below. Environmentally Sensitive Areas shall be marked with brightly-colored markers visible to workers with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species. Permittee shall maintain Environmentally Sensitive Areas in good repair for the duration of the Covered Activities in the Project Area. No Covered Activities shall be allowed within Environmentally Sensitive Areas except per Conditions of Approval 5.21, 5.23, 5.25, 5.27, 5.30, 5.33, and 5.34.
- 5.15. Vegetation Removal.** Permittee shall remove any vegetation that will be disturbed within the Project Area by cutting/clipping the vegetation at the base of the plants under the supervision of Designated Biologist using hand tools within the Project Area to encourage Covered Species to move out of the area.
- 5.16. Pre-Construction Surveys and Reporting.** The Designated Biologist(s) shall perform pre-construction surveys for the Covered Species no more than seven (7) calendar days prior to beginning Covered Activities.
- 5.16.1. SJAS Surveys.** The Designated Biologist shall survey each Work Area and 50 feet beyond the limits of the Work Area to identify and flag all potential burrows used by SJAS no more than seven (7) calendar days prior to beginning Covered Activities in the Project Area. Permittee shall provide the survey results in a written report to CDFW's Regional Representative prior to beginning Covered Activities. The report shall include, but not be

limited to, methodology, date and time of survey, a discussion and map of the locations of each potential SJAS burrow.

- 5.16.2. *TKR Surveys*. The Designated Biologist shall survey each Work Area and a 50-foot buffer to identify, flag, and map all potential TKR burrows, whether they appear active or inactive, no more than seven (7) calendar days prior to beginning Covered Activities in the Project Area. Permittee shall provide the results in a TKR Burrow Map Survey written report to CDFW's Regional Representative prior to beginning Covered Activities. The report shall include, but not be limited to, methodology, date and time of survey, the number of potential TKR burrows and precincts, a discussion and map of the locations of each potential TKR burrow and precinct and the date when TKR relocation will occur as described in Condition of Approval 4.4.
- 5.16.3. *GKR Surveys*. The Designated Biologist shall survey each Work Area and a 50-foot buffer to identify, flag, and map all potential GKR burrows, whether they appear active or inactive, no more than seven (7) calendar days prior to beginning Covered Activities in the Project Area. Permittee shall provide the results in a GKR Burrow Map Survey written report to CDFW's Regional Representative prior to beginning Covered Activities. The report shall include, but not be limited to, methodology, date and time of survey, the number of potential GKR burrows and precincts, a discussion and map of the locations of each potential GKR burrow and precinct and the date when GKR relocation will occur as described in Condition of Approval 4.5.
- 5.16.4. *SJKF Surveys*. The Designated Biologist(s) shall perform Pre-Activity Surveys for SJKF and SJKF dens (potential, known, atypical, and natal dens) no more than seven (7) calendar days prior to beginning Covered Activities in each Work Area. Pre-Activity Surveys shall include each Work Area and 50 feet beyond the limits of each Work Area to identify all potential SJKF dens as well as a buffer zone of 500 feet beyond the limits of the Work Area (where feasible) to identify SJKF dens. If the Designated Biologist identifies any SJKF dens, the den(s) shall be monitored for at least two (2) consecutive nights with tracking medium and wildlife camera to determine the current use of the den(s). Permittee shall notify the United States Fish and Wildlife Service (USFWS) and CDFW within 24 hours via e-mail if any SJKF-occupied atypical dens, known dens, or natal dens (occupied or unoccupied) are discovered within or immediately adjacent to the Work Area. Permittee shall provide the Pre-Activity Survey results in a written report to CDFW prior to beginning Covered Activities. The Pre-Activity Survey report shall include, but not be limited to, methodology,

date and time of survey, the number, type, and status of SJKF dens, a discussion and map of the locations of each SJKF den identified.

- 5.17. Temporary Exclusion Fencing.** Permittee shall install trenchless Temporary Exclusion Fencing around the perimeter of each Work Area within the Project Area following surveys to flag all potential TKR, SJAS, and GKR burrows and SJKF dens in accordance with Condition of Approval 5.16 above and immediately prior to TKR and GKR relocation in accordance with Condition of Approval 5.23 and 5.27 below. Fencing shall only be installed around locations within each Work Area where excavating/trenching will occur and any Staging Area that is not located entirely within an existing roadway. Permittee shall submit for review and approval in writing by CDFW an Exclusion Fencing Plan which shall include, but not be limited to, the fencing material, design, installation methods, access gates, and a map of installation locations prior to installing fencing.
- 5.18. Temporary Exclusion Fencing Installation.** The Designated Biologist shall accompany the exclusion fence installation crew to ensure that Covered Species are not killed or injured during fence installation. The Designated Biologist shall ensure all small mammal burrow entrances are avoided (i.e., not covered) by fencing material during fence installation. The Designated Biologist shall ensure the Temporary Exclusion Fencing is sufficiently supported to maintain its integrity under all conditions such as wind and heavy rain for the duration of the Covered Activities in the Project Area. The Designated Biologist shall check the Temporary Exclusion Fence at least once weekly and maintain/repair the fence when necessary. Temporary Exclusion Fencing shall be removed immediately upon completion of Covered Activities at each Work Area to minimize habitat fragmentation caused by fencing.
- 5.19. Covered Species Injury.** If a Covered Species is injured or found dead within the vicinity of the Project Area, Permittees shall notify CDFW of the injury or mortality to the Covered Species immediately by email as described in the Condition of Approval 4.11. The Designated Biologist shall immediately take it to a CDFW approved wildlife rehabilitation or veterinary facility following the approved Covered Species Mortality Reduction and Relocation Plans per Conditions of Approval 4.3, 4.4, and 4.5. Permittee shall identify the facility before starting Covered Activities. Permittee shall bear any costs associated with the care or treatment of such injured Covered Species..

#### *SJAS-Specific Measures*

- 5.20. SJAS Burrow Avoidance.** The Designated Biologist shall establish a no-disturbance buffer of 50 feet or greater around suspected or known to be occupied SJAS burrows within the Project Area. If the 50-foot no-disturbance buffer cannot be

established, burrow excavation shall occur in accordance with Condition of Approval 5.21 below.

- 5.21. SJAS Burrow Excavation.** Immediately prior to beginning Covered Activities within the Project Area, the Designated Biologist, or an individual under the direct supervision of the Designated Biologist, shall fully excavate by hand any potential SJAS burrows present within the portion of the Project Area to be disturbed by Covered Activities. Any SJAS encountered during burrow excavation shall be allowed to escape out of harm's way to the adjacent natural habitat or relocated to the CDFW-approved release site identified in the SJAS Mortality Reduction and Relocation Plan (Condition of Approval 4.3) by the Designated Biologist. Any dormant, lactating/nursing female, or dependent juvenile Covered Species encountered shall be collected by the Designated Biologist and relocated to an artificial burrow installed at the CDFW-approved release site.

*TKR-Specific Measures*

- 5.22. TKR Burrow Avoidance.** The Designated Biologist shall establish a no-disturbance buffer of 50 feet or greater around suspected or known to be occupied TKR burrows within the Project Area. If the 50-foot no-disturbance buffer cannot be established, temporary exclusion fencing installation, live trapping, relocation, and burrow excavation shall occur in accordance with Conditions of Approval 5.17, 5.18, 5.23, 5.24, and 5.25.
- 5.23. TKR Relocation.** Any potential TKR burrows detected by the Designated Biologist within the Work Area that cannot be avoided per Condition of Approval 5.22 shall be live trapped for one (1) night by the Designated Biologist immediately following exclusion fencing installation and prior to commencing Covered Activities within the Work Area. The Designated Biologist shall relocate any captured TKR to the CDFW-approved release site identified in the TKR Mortality Reduction and Relocation Plan (Condition of Approval 4.4).
- 5.24. TKR Weather Constraints for Trapping.** Designated Biologist shall close all traps for TKR during the threat of inclement weather, such as the National Weather Service prediction of a 30 percent or greater chance of precipitation that can be independently verified by both CDFW and the Permittee. Additionally, the Designated Biologist shall close all traps for TKR if the air temperature exceeds 105 degrees Fahrenheit. The Designated Biologist shall place synthetic batting or other appropriate insulating material and additional food in each open trap if the air temperature is predicted to drop below 50 degrees Fahrenheit. The Designated Biologist shall replace this material with new material after each time a capture occurs in a given trap. The Designated Biologist shall cease trapping if captured animals are found to be lethargic or otherwise are showing signs of a decrease of body temperature.

- 5.25. TKR Burrow Excavation.** Immediately following live trapping activities conducted to address Condition of Approval 5.23 and prior to beginning Covered Activities within the Work Area, the Designated Biologist or individuals under the direct supervision of the Designated Biologist shall fully excavate by hand all potential TKR burrows within each fenced Work Area to be disturbed by Covered Activities. The Designated Biologist shall relocate any TKR encountered during burrow excavation to the CDFW-approved release site(s) identified in the TKR Mortality Reduction and Relocation Plan (Condition of Approval 4.4).

#### *GKR-Specific Measures*

- 5.26. GKR Burrow Avoidance.** The Designated Biologist shall establish a no-disturbance buffer of 50 feet or greater around suspected or known to be occupied GKR burrows and precincts within and adjacent to the Project Area, identified in the GKR Burrow Map Survey report required by Condition of Approval 5.16.3. If the 50-foot no-disturbance buffer cannot be established, live trapping, relocation, and burrow excavation shall occur in accordance with Condition of Approval 5.27, 5.28, 5.29 and 5.30 below.
- 5.27. GKR Relocation.** Any potential GKR burrows detected by the Designated Biologist within the Work Area that cannot be avoided per Condition of Approval 5.26 shall be live trapped for one (1) night by the Designated Biologist immediately following exclusion fencing installation and prior to commencing Covered Activities within the Work Area. The Designated Biologist shall relocate any captured GKR to the CDFW-approved release site identified in the GKR Mortality Reduction and Relocation Plan (Condition of Approval 4.5). The Designated Biologist shall relocate any haystacks, seed caches, and seed stores found with live-trapped GKR with the associated individual GKR by placing those materials at the release location with that individual.
- 5.28. GKR January 1 – August 31 Trapping Constraints.** To reduce the amount of time a pregnant or lactating/nursing female may be in a trap, the Designated Biologist shall ensure that all traps set from January 1 through August 31 for the relocation of GKR be set no more than 1 hour prior to sunset and closed no more than 1 hour after sunrise. The Designated Biologist shall check all traps set during this time period when females may be pregnant or lactating/nursing for occupancy at least every 2 hours between sunset and sunrise.
- 5.29. GKR Weather Constraints for Trapping.** Designated Biologist shall close all traps for GKR during the threat of inclement weather, such as the National Weather Service prediction of a 30 percent or greater chance of precipitation that can be independently verified by both CDFW and the Permittee. Additionally, the Designated Biologist shall close all traps for GKR if the air temperature exceeds 105 degrees Fahrenheit. The Designated Biologist shall place synthetic batting or

other appropriate insulating material and additional food in each open trap if the air temperature is predicted to drop below 50 degrees Fahrenheit. The Designated Biologist shall replace this material with new material after each time a capture occurs in a given trap. The Designated Biologist shall cease trapping if captured animals are found to be lethargic or otherwise are showing signs of a decrease of body temperature.

- 5.30. GKR Burrow Excavation.** Immediately following completion of live trapping activities conducted to address Condition of Approval 5.27 and prior to commencing Covered Activities within the Work Area, the Designated Biologist, or individuals under the direct supervision of the Designated Biologist, shall fully excavate by hand all potential GKR burrows within the Work Area to be disturbed by Covered Activities. The Designated Biologist shall relocate any GKR encountered during burrow excavation to the CDFW-approved release site(s) identified in the GKR Mortality Reduction and Relocation Plan (Condition of Approval 4.5). Haystacks, seed caches, and seed stores found with a GKR during excavation shall be relocated with the associated individual GKR and shall be placed with the relocated individual.
- 5.31. Protection of GKR Food Stores.** Where impacts occur that do not warrant relocation of GKR as directed by the GKR Mortality Reduction and Relocation Plan required in Condition of Approval 4.5, Permittee shall leave undisturbed any GKR food stores, including but not limited to, haystacks, seed caches, or other stockpiled forage. If avoidance is not feasible, the Designated Biologist shall implement measures to keep the food stores intact, including temporary relocation of the food stores (only during daytime; seeds must be returned to original location prior to sunset), cover the seeds with plywood to allow temporary vehicle or foot-traffic access, or implement other measures developed in consultation with CDFW.

### *SJKF-Specific Measures*

- 5.32. SJKF Den Avoidance.** Permittee shall establish no-disturbance buffer zones around potential, known and natal SJKF dens according to the following guidelines:
- If a potential SJKF den (any subterranean hole, three inches or larger, for which no evidence is present to conclude that the den is being used or has been used

by a SJKF) is discovered, Permittee shall establish a minimum 50-foot no-disturbance buffer around the den.

- If a known den (one that shows evidence of current use or was used in the past) is discovered, Permittee shall establish a minimum no-disturbance buffer of at least 100 feet around the den.
- If a natal den (den in which SJKF young are reared, typically with two or more openings) is discovered, Permittee shall establish a no-disturbance buffer of at least 200 feet around the den. Natal dens with pups shall have a no-disturbance buffer of at least 500 feet.
- Permittee shall notify the USFWS and CDFW's Regional Representative immediately via phone and email if any SJKF-occupied atypical dens, known dens, or natal dens are discovered within or immediately adjacent to the Work Area. An established SJKF den no-disturbance buffer may be removed once the SJKF is no longer using the area.

**5.33. SJKF Den Blockage.** Permittee shall not destroy SJKF dens unless they are in an area of direct ground disturbance (e.g., excavation/trench area) or their location poses a risk of direct harm to SJKF individuals. Dens in areas of temporary disturbance shall remain intact and the Designated Biologist shall block the entrance by installing an object (e.g., sandbags) approved in advance in writing by CDFW to prevent SJKF from entering and utilizing the den during Covered Activities. The Designated Biologist shall remove the object immediately after Covered Activities are completed in the Work Area when the Designated Biologist has determined that potential resumed use of the den will not result in harm to SJKF. Permittee shall not destroy or modify dens that are beyond the direct footprint of ground disturbance to preempt their use and den buffer establishment.

**5.34. SJKF Den Excavation.** The Designated Biologist or individuals under direct supervision of the Designated Biologist shall excavate potential or known dens that exhibit signs of SJKF use or characteristics suggestive of SJKF dens (including dens in natural substrate and in/under man-made structures) that cannot be avoided as described above only after the Designated Biologist has determined that SJKF is not currently present after 2 consecutive nights of monitoring with tracking medium and wildlife camera.

Potential SJKF dens without any signs of SJKF use or characteristics suggesting it is a SJKF den may be excavated under the direct supervision of the Designated Biologist without advance tracking or camera monitoring. Natal dens shall not be excavated until the pups and adults have vacated the den and then only after concurrence from CDFW.



If the excavation process reveals evidence of current use by SJKF, then den excavation shall cease immediately and tracking or camera monitoring as described above shall be conducted/resumed. Excavation of the den shall only resume when, in the judgment of the Designated Biologist, the SJKF has escaped from the partially excavated den. SJKF dens shall be carefully excavated until it is clear no individuals of SJKF are inside.

Dens to be destroyed shall be fully excavated, filled with dirt and compacted to ensure that SJKF cannot reenter or use the den during the period that Covered Activities would occur in the Work Area. If an individual SJKF does not vacate a den within the Work Area within a reasonable timeframe, Permittee shall consult with CDFW to obtain written guidance prior to proceeding with den destruction.

## 6. Habitat Management Land Acquisition:

Protocol-level trapping efforts were conducted in the Project Area in 2020. At the L225 Site, TKR were captured. Suitable habitat is also present at the site for GKR, SJAS, and SJKF. Conditions at the L225 Site include Valley (Alkali) Sink Scrub habitat including low herbaceous and scrub vegetation with scattered open areas. At the L85 Site, an individual GKR was captured and SJAS were visually detected. Suitable habitat is also present at the site for SJKF. Conditions at the L85 Site include maintained gravel access roads surrounded by non-native annual grasslands with scattered saltbush (*Atriplex polycarpa*). The L85 Site is outside of the expected range of TKR.

As a result of these findings, CDFW has determined that permanent protection and perpetual management of compensatory habitat is necessary and required pursuant to CESA to fully mitigate Project-related impacts of the taking on the Covered Species that will result from implementation of the Covered Activities. This determination is based on factors including an assessment of the importance of the habitat in the Project Area, the extent to which the Covered Activities will impact the habitat, and CDFW's estimate of the protected acreage required to provide for adequate compensation.

To meet this requirement, the Permittee shall provide for the permanent protection and perpetual management of 5.75 acres of compensatory habitat. Permittee shall:

- Purchase 3 Covered Species conservation credits from the Kern Water Bank Authority and assign and deduct 2.07 Covered Species credits from its balance of conservation credits at Coles Levee Ecosystem Preserve, for a total of **5.07 credits** pursuant to Conditions of Approval 6.1, below, before starting Covered Activities;

## **AND**

- Provide an additional **0.68 acre** of compensatory habitat for GKR, SJAS, and SJKF. Permittee shall either purchase an additional 0.68 credits for GKR, SJAS,

and SJKF from a CDFW-approved conservation bank pursuant to Conditions of Approval 6.1 **OR** provide for the permanent protection and perpetual management of **0.68 acre** of Habitat Management (HM) lands for GKR, SJAS, and SJKF pursuant to Condition of Approval 6.2 and the calculation and deposit of the management funds pursuant to Condition of Approval 6.3.

Permittee must provide 5.07 acres of compensatory habitat in the form of Covered Species credits before starting Covered Activities. In addition, Permittee must provide 0.68 acres of compensatory habitat for GKR, SJAS, and SJKF before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3 (Figure 2a), or within 18 months of the effective date of this ITP if Security is provided pursuant to Condition of Approval 7 for all uncompleted obligations.

- 6.1. Covered Species Credits.** Permittee shall purchase 3 Covered Species conservation credits from the Kern Water Bank Authority and assign and deduct 2.07 Covered Species credits from its balance of conservation credits at Coles Levee Ecosystem Preserve, for a total of **5.07 credits** prior to initiating Covered Activities. Permittee shall submit to CDFW a copy of the Bill of Sale(s), Payment Receipt(s), and a credit ledger or similar document verifying that Covered Species credits have been assigned to this ITP prior to initiating Covered Activities.

In addition, if the Permittee elects to provide Covered Species credits, Permittee shall purchase an additional **0.68 conservation credits** for GKR, SJAS, and SJKF at a CDFW-approved conservation bank before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of this ITP if Security is provided pursuant to Condition of Approval 7 for all uncompleted obligations. Prior to purchase of Covered Species credits, Permittee shall obtain CDFW approval to ensure the mitigation or conservation bank is appropriate to compensate for the impacts of this Project.

## **OR**

- 6.2. Habitat Management Lands Acquisition and Protection.** If the Permittee elects to provide for the acquisition, permanent protection, and perpetual management of HM lands to complete compensatory mitigation obligations, then the Permittee shall:

- 6.2.1. Fee Title.** Transfer fee title of the HM lands to CDFW pursuant to terms approved in writing by CDFW. Alternatively, CDFW, in its sole discretion, may authorize a governmental entity, special district, non-profit organization, for-profit entity, person, or another entity to hold title to and manage the property provided that the district, organization, entity, or person meets the requirements of Government Code sections 65965-65968, as amended.

- 6.2.2. Conservation Easement. If CDFW does not hold fee title to the HM lands, CDFW shall act as grantee for a conservation easement over the HM lands or shall, in its sole discretion, approve a non-profit entity, public agency, or Native American tribe to act as grantee for a conservation easement over the HM lands provided that the entity, agency, or tribe meets the requirements of Civil Code section 815.3. If CDFW elects not to be named as the grantee for the conservation easement, CDFW shall be expressly named in the conservation easement as a third-party beneficiary. The Permittee shall obtain CDFW written approval of any conservation easement before its execution or recordation. No conservation easement shall be approved by CDFW unless it complies with Civil Code sections 815-816, as amended, and Government Code sections 65965-65968, as amended and includes provisions expressly addressing Government Code sections 65966(j) and 65967(e). Because the "doctrine of merger" could invalidate the conservation interest, under no circumstances can the fee title owner of the HM lands serve as grantee for the conservation easement.
- 6.2.3. HM Lands Approval. Obtain CDFW written approval of the HM lands before acquisition and/or transfer of the land by submitting, at least three months before acquisition and/or transfer of the HM lands, documentation identifying the land to be purchased or property interest conveyed to an approved entity as mitigation for the Project's impacts on Covered Species.
- 6.2.4. HM Lands Documentation. Provide a recent preliminary title report, Phase I Environmental Site Assessment, and other necessary documents (please contact CDFW for document list). All documents conveying the HM lands and all conditions of title are subject to the approval of CDFW, and if applicable, the Wildlife Conservation Board and the Department of General Services.
- 6.2.5. Land Manager. Designate both an interim and long-term land manager approved by CDFW. The interim and long-term land managers may, but need not, be the same. The interim and/or long-term land managers may be the landowner or another party. Documents related to land management shall identify both the interim and long-term land managers. Permittee shall notify CDFW of any subsequent changes in the land manager within 30 days of the change. If CDFW will hold fee title to the mitigation land, CDFW will also act as both the interim and long-term land manager unless otherwise specified. The grantee for the conservation easement cannot serve as the interim or long-term manager without the express written authorization of CDFW in its sole discretion.

6.2.6. Start-up Activities. Provide for the implementation of start-up activities, including the initial site protection and enhancement of HM lands, once the HM lands have been approved by CDFW. Start-up activities include, at a minimum: (1) preparing a final management plan for CDFW approval (see <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=137386&inline>) (2) conducting a baseline biological assessment and land survey report within four months of recording or transfer; (3) developing and transferring Geographic Information Systems (GIS) data if applicable; (4) establishing initial fencing; (5) conducting litter removal; (6) conducting initial habitat restoration or enhancement, if applicable; and (7) installing signage.

6.2.7. Interim Management (Initial and Capital). Provide for the interim management of the HM lands. The Permittee shall ensure that the interim land manager implements the interim management of the HM lands as described in the final management plan and conservation easement approved by CDFW. The interim management period shall be a minimum of three years from the date of HM land acquisition and protection and full funding of the Endowment and includes expected management following start-up activities. Interim management period activities described in the final management plan shall include fence repair, continuing trash removal, site monitoring, and vegetation and invasive species management, Covered Species monitoring surveys, equipment, travel, and other necessary management activities.

Permittee shall either (1) provide Security to CDFW for the minimum of three years of interim management that the land owner, Permittee, or land manager agrees to manage and pay for at their own expense, (2) establish an escrow account with written instructions approved in advance in writing by CDFW to pay the land manager annually in advance, or (3) establish a short-term enhancement account with CDFW or a CDFW-approved entity for payment to the land manager.

6.3. Endowment Fund. If the Permittee elects to provide for the acquisition, permanent protection, and perpetual management of HM lands to complete compensatory mitigation obligations, then the Permittee shall ensure that the HM lands are perpetually managed, maintained, and monitored by the long-term land manager as described in this ITP, the conservation easement, and the final management plan approved by CDFW. After obtaining CDFW approval of the HM lands, Permittee shall provide long-term management funding for the perpetual management of the HM lands by establishing a long-term management fund (Endowment). The Endowment is a sum of money, held in a CDFW-approved fund that is permanently restricted to paying the costs of long-term management and stewardship of the mitigation property for which the funds were set aside, which costs include the perpetual management, maintenance, monitoring, and other

activities on the HM lands consistent with this ITP, the conservation easement, and the management plan required by Condition of Approval 9.3.6. Endowment as used in this ITP shall refer to the endowment deposit and all interest, dividends, other earnings, additions and appreciation thereon. The Endowment shall be governed by this ITP, Government Code sections 65965-65968, as amended, and Probate Code sections 18501-18510, as amended.

After the interim management period, Permittee shall ensure that the designated long-term land manager implements the management and monitoring of the HM lands according to the final management plan. The long-term land manager shall be obligated to manage and monitor the HM lands in perpetuity to preserve their conservation values in accordance with this ITP, the conservation easement, and the final management plan. Such activities shall be funded through the Endowment.

- 6.3.1. Identify an Endowment Manager. The Endowment shall be held by the Endowment Manager, which shall be either CDFW or another entity qualified pursuant to Government Code sections 65965-65968, as amended.

Permittee shall submit to CDFW a written proposal that includes: (i) the name of the proposed Endowment Manager; (ii) whether the proposed Endowment Manager is a governmental entity, special district, nonprofit organization, community foundation, or congressionally chartered foundation; (iii) whether the proposed Endowment Manager holds the property or an interest in the property for conservation purposes as required by Government Code section 65968(b)(1) or, in the alternative, the basis for finding that the Project qualifies for an exception pursuant to Government Code section 65968(b)(2); and (iv) a copy of the proposed Endowment Manager's certification pursuant to Government Code section 65968(e).

Within thirty days of CDFW's receipt of Permittee's written proposal, CDFW shall inform Permittee in writing if it determines the proposal does not satisfy the requirements of Fish and Game Code section 2081(b)(3) and, if so, shall provide Permittee with a written explanation of the reasons for its determination. If CDFW does not provide Permittee with a written determination within the thirty-day period, the proposal shall be deemed consistent with Section 2081(b)(3).

- 6.3.2. Calculate the Endowment Funds Deposit. After obtaining CDFW written approval of the HM lands, long-term management plan, and Endowment Manager, Permittee shall prepare an endowment assessment (equivalent to a Property Analysis Record (PAR)) to calculate the amount of funding necessary to ensure the long-term management of the HM lands

(Endowment Deposit Amount). Note that the endowment for the easement holder should not be included in this calculation. The Permittee shall submit to CDFW for review and approval the results of the endowment assessment before transferring funds to the Endowment Manager.

6.3.2.1. Capitalization Rate and Fees. Permittee shall obtain the capitalization rate from the selected Endowment Manager for use in calculating the endowment assessment and adjust for any additional administrative, periodic, or annual fees.

6.3.2.2. Endowment Buffers/Assumptions. Permittee shall include in the endowment assessment assumptions the following buffers for endowment establishment and use that will substantially ensure long-term viability and security of the Endowment:

6.3.2.2.1. 10 Percent Contingency. A 10 percent contingency shall be added to each endowment calculation to hedge against underestimation of the fund, unanticipated expenditures, inflation, or catastrophic events.

6.3.2.2.2. Three Years Delayed Spending. The endowment shall be established assuming spending will not occur for the first three years after full funding.

6.3.2.2.3. Non-annualized Expenses. For all large capital expenses to occur periodically but not annually such as fence replacement or well replacement, payments shall be withheld from the annual disbursement until the year of anticipated need or upon request to Endowment Manager and CDFW.

6.3.3. Transfer Long-term Endowment Funds. Permittee shall transfer the long-term endowment funds to the Endowment Manager upon CDFW approval of the Endowment Deposit Amount identified above.

6.3.4. Management of the Endowment. The approved Endowment Manager may pool the Endowment with other endowments for the operation, management, and protection of HM lands for local populations of the Covered Species but shall maintain separate accounting for each Endowment. The Endowment Manager shall, at all times, hold and manage the Endowment in compliance with this ITP, Government Code sections 65965-65968, as amended, and Probate Code sections 18501-18510, as amended.

Notwithstanding Probate Code sections 18501-18510, the Endowment Manager shall not make any disbursement from the Endowment that will result in expenditure of any portion of the principal of the endowment without the prior written approval of CDFW in its sole discretion. Permittee shall ensure that this requirement is included in any agreement of any kind governing the holding, investment, management, and/or disbursement of the Endowment funds.

Notwithstanding Probate Code sections 18501-18510, if CDFW determines in its sole discretion that an expenditure needs to be made from the Endowment to preserve the conservation values of the HM lands, the Endowment Manager shall process that expenditure in accordance with directions from CDFW. The Endowment Manager shall not be liable for any shortfall in the Endowment resulting from CDFW's decision to make such an expenditure.

- 6.4. Reimburse CDFW.** Permittee shall reimburse CDFW for all reasonable costs incurred by CDFW related to issuance and monitoring of this ITP, including, but not limited to transaction fees, account set-up fees, administrative fees, title and documentation review and related title transactions, costs incurred from other state agency reviews, and overhead related to transfer of HM lands to CDFW.

- 7. Security:** The Permittee may proceed with Covered Activities only after the Permittee has ensured funding (Security) to complete any activity required by Condition of Approval 6 that has not been completed before Covered Activities begin. Permittee shall provide Security as follows:

- 7.1. Security Amount.** The Security shall be in the amount of **\$40,375.00**. This amount is based on cost estimates identified by CDFW for purchase of one Covered Species conservation bank credits (minimum purchase amount) from a CDFW-approved conservation bank with an authorized service area that includes the Project.
- 7.2. Security Form.** The Security shall be in the form of an irrevocable letter of credit (see Attachment 3) or another form of Security approved in advance in writing by CDFW's Office of the General Counsel.
- 7.3. Security Timeline.** The Security shall be provided in draft form to CDFW's Regional Representative for review and approval prior to execution. Permittee shall execute the CDFW-approved Security within 30 days after issuance of this ITP.
- 7.4. Security Holder.** The Security shall be held by CDFW or in a manner approved in advance in writing by CDFW.

- 7.5. Security Transmittal.** Permittee shall transmit security to CDFW by way of an approved instrument such as an escrow agreement, irrevocable letter of credit, or other.
- 7.6. Security Drawing.** The Security shall allow CDFW to draw on the principal sum if CDFW, in its sole discretion, determines that the Permittee has failed to comply with the Conditions of Approval of this ITP.
- 7.7. Security Release.** The Security (or any portion of the Security then remaining) shall be released to the Permittee after CDFW has conducted an on-site inspection and received confirmation that all secured requirements have been satisfied, as evidenced by:

Credit Purchase

- Copy of Bill of Sale(s) and Payment Receipt(s) or Credit Ledger for the purchase of Covered Species credits; and
- Timely submission of all required reports.

**OR**

Habitat Management Land Acquisition

- Written documentation of the acquisition of the HM lands;
- Copies of all executed and recorded conservation easements;
- Written confirmation from the approved Endowment Manager of its receipt of the full Endowment; and
- Timely submission of all required reports.

Even if Security is provided, the Permittee must complete the required acquisition, protection and transfer of all HM lands and record any required conservation easements no later than **18 months** from the effective date of this ITP. CDFW may require the Permittee to provide additional HM lands and/or additional funding to ensure the impacts of the taking are minimized and fully mitigated, as required by law, if the Permittee does not complete these requirements within the specified timeframe.

**X. Amendment:**

This ITP may be amended as provided by California Code of Regulations, Title 14, section 783.6, subdivision (c), and other applicable law. This ITP may be amended without the concurrence of the Permittee as required by law, including if CDFW determines that continued implementation of the Project as authorized under this ITP would jeopardize the continued existence of the Covered Species or where Project changes or changed biological conditions necessitate an ITP amendment to ensure that all Project-related impacts of the taking to the Covered Species are minimized and fully mitigated.



**XI. Stop-Work Order:**

If CDFW determines the Permittee has violated any term or condition of this ITP or has engaged in unlawful take, CDFW may issue Permittee a written stop-work order instructing the Permittee to suspend any Covered Activity for an initial period of up to 30 days or risk suspension or revocation of this ITP. CDFW can issue a stop-work order to prevent or remedy a violation of this ITP, including but not limited to the failure to comply with reporting or monitoring obligations, or to prevent the unauthorized take of any CESA endangered, threatened, or candidate species, regardless of whether that species is a Covered Species under this ITP. Permittee shall stop work immediately as directed by CDFW upon receipt of any such stop-work order. Upon written notice to Permittee, CDFW may extend any stop-work order issued to Permittee for a period not to exceed 30 additional days.

If Permittee fails to remedy the violation or to comply with a stop-work order, CDFW may proceed with suspension and revocation of this ITP. Suspension and revocation of this ITP shall be governed by California Code of Regulations, Title 14, section 783.7, and any other applicable law. Neither the Designated Biologist nor CDFW shall be liable for any costs incurred in complying with stop-work orders.

**XII. Compliance with Other Laws:**

This ITP sets forth CDFW's requirements for the Permittee to implement the Project pursuant to CESA. This ITP does not necessarily create an entitlement to proceed with the Project. Permittee is responsible for complying with all other applicable federal, state, and local law.

**XIII. Notices:**

Written notices, reports and other communications relating to this ITP shall be delivered to CDFW by email or registered first class mail at the following address, or at addresses CDFW may subsequently provide the Permittee. Notices, reports, and other communications shall reference the Project name, Permittee, and ITP Number (2081-2021-007-04) in a cover letter and on any other associated documents.

Original cover with attachment(s) to:

Julie A. Vance, Regional Manager  
California Department of Fish and Wildlife  
1234 East Shaw Avenue  
Fresno, California, 93710  
Telephone (559) 243-4014  
[R4CESA@wildlife.ca.gov](mailto:R4CESA@wildlife.ca.gov)

and a copy to:

Habitat Conservation Planning Branch  
California Department of Fish and Wildlife  
Attention: CESA Permitting Program  
Post Office Box 944209  
Sacramento, CA 94244-2090  
[CESA@wildlife.ca.gov](mailto:CESA@wildlife.ca.gov)

Amended Incidental Take Permit  
No. 2081-2021-007-04  
**SOUTHERN CALIFORNIA GAS COMPANY**  
**PIPELINE RECOAT AND ANODE INSTALL PROJECT**

Unless Permittee is notified otherwise, CDFW's Regional Representative for purposes of addressing issues that arise during implementation of this ITP is:

Shaelyn Latronica  
 California Department of Fish and Wildlife  
 1234 East Shaw Avenue  
 Fresno, California, 93710  
 Telephone (559) 246-2584  
[Shaelyn.Latronica@wildlife.ca.gov](mailto:Shaelyn.Latronica@wildlife.ca.gov)

#### **XIV. Compliance with the California Environmental Quality Act:**

As the "public agency which has the principal responsibility of...approving [the Project]," (Pub. Resources Code, § 21067), CDFW is the lead agency for the Project for purposes of complying with the California Environmental Quality Act (CEQA, Pub. Resources Code, § 21000 et seq.). CDFW has determined that this Project is statutorily exempt from CEQA because it is an action "necessary to prevent or mitigate an emergency." (Pub. Resources Code, §21080, subd. (b)(4)) and "specific actions necessary to prevent or mitigate an emergency" Cal. Code Regs., tit. 14, §15269, subd. (c). CDFW has filed a Notice of Exemption for the Project.

#### **XV. Findings Pursuant to CESA:**

These findings are intended to document CDFW's compliance with the specific findings requirements set forth in CESA and related regulations. (Fish & G. Code § 2081, subds. (b)-(c); Cal. Code Regs., tit. 14, §§ 783.4, subds, (a)-(b), 783.5, subd. (c)(2).)

CDFW finds based on substantial evidence in the ITP application, the administrative record of proceedings, and the results of consultations, that issuance of this ITP complies and is consistent with the criteria governing the issuance of ITPs pursuant to CESA:

- (1) Take of Covered Species as defined in this ITP will be incidental to the otherwise lawful activities covered under this ITP;
- (2) Impacts of the taking on Covered Species will be minimized and fully mitigated through the implementation of measures required by this ITP and as described in the MMRP. Measures include: (1) permanent habitat protection; (2) establishment of avoidance zones; (3) worker education; and (4) Weekly Compliance Reports. CDFW evaluated factors including an assessment of the importance of the habitat in the Project Area, the extent to which the Covered Activities will impact the habitat, and CDFW's estimate of the acreage required to provide for adequate compensation. Based on this evaluation, CDFW determined that the protection and management in perpetuity of 5.75 acres of compensatory habitat that is contiguous with other protected Covered Species habitat and/or is of higher quality than the habitat being destroyed by the Project, along with the minimization, monitoring, reporting, and funding requirements of this ITP minimizes and fully mitigates the impacts of the taking caused by the Project;


Amended Incidental Take Permit  
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**PIPELINE RECOAT AND ANODE INSTALL PROJECT**

- (3) The take avoidance and mitigation measures required pursuant to the conditions of this ITP and its attachments are roughly proportional in extent to the impacts of the taking authorized by this ITP;
- (4) The measures required by this ITP maintain Permittee's objectives to the greatest extent possible;
- (5) All required measures are capable of successful implementation;
- (6) This ITP is consistent with any regulations adopted pursuant to Fish and Game Code sections 2112 and 2114;
- (7) Permittee has ensured adequate funding to implement the measures required by this ITP as well as for monitoring compliance with, and the effectiveness of, those measures for the Project; and
- (8) Issuance of this ITP will not jeopardize the continued existence of the Covered Species based on the best scientific and other information reasonably available, and this finding includes consideration of the species' capability to survive and reproduce, and any adverse impacts of the taking on those abilities in light of (1) known population trends; (2) known threats to the species; and (3) reasonably foreseeable impacts on the species from other related projects and activities. Moreover, CDFW's finding is based, in part, on CDFW's express authority to amend the terms and conditions of this ITP without concurrence of the Permittee as necessary to avoid jeopardy and as required by law.

#### **XVI. Attachments:**

FIGURE 1	Regional Location
FIGURE 2a	L85 Work Area
FIGURE 3a	L225 Work Area
ATTACHMENT 1	Mitigation Monitoring and Reporting Program
ATTACHMENT 2	Biologist Resume Form
ATTACHMENT 3	Letter of Credit Form
ATTACHMENT 4	Major Amendment No. 3 with Track Changes

**ISSUED BY THE CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE ON 6/27/2025**

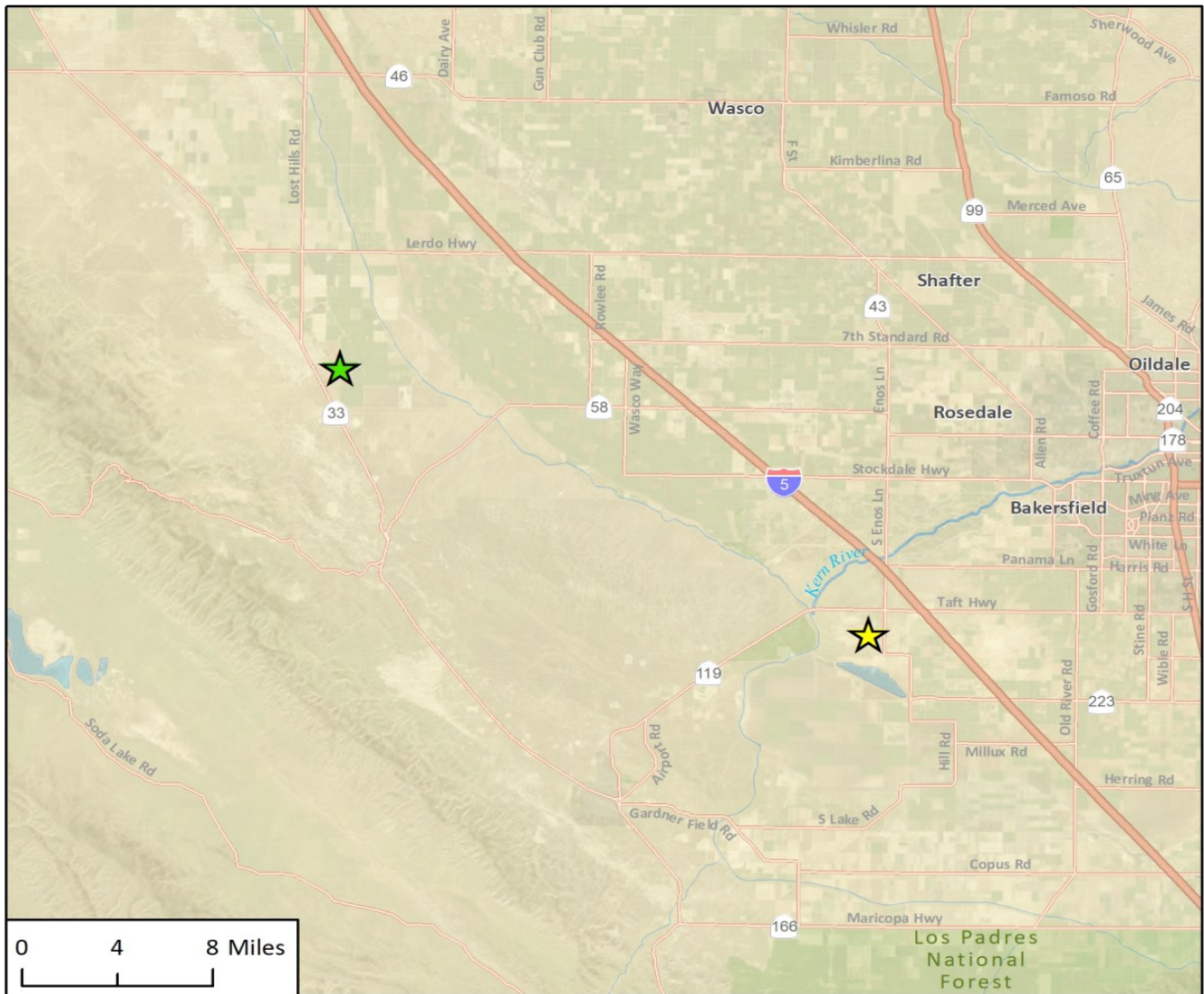
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**Julie A. Vance, Regional Manager  
 Central Region**



Amended Incidental Take Permit  
 No. 2081-2021-007-04  
**SOUTHERN CALIFORNIA GAS COMPANY  
 PIPELINE RECOAT AND ANODE INSTALL PROJECT**

# Southern California Gas Company Pipeline Recoat and Anode Install Project

Figure 1 Regional Location



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-  Line 85 MP 49.9 Location
-  Line 225 MP 3.28 Location

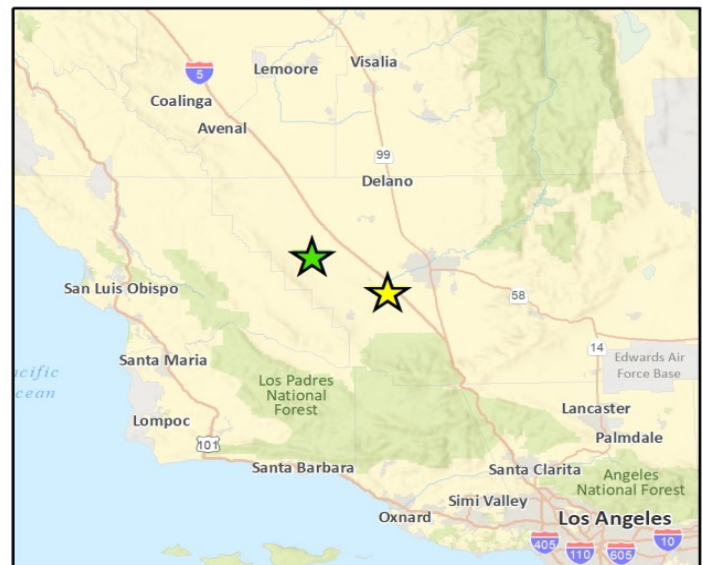
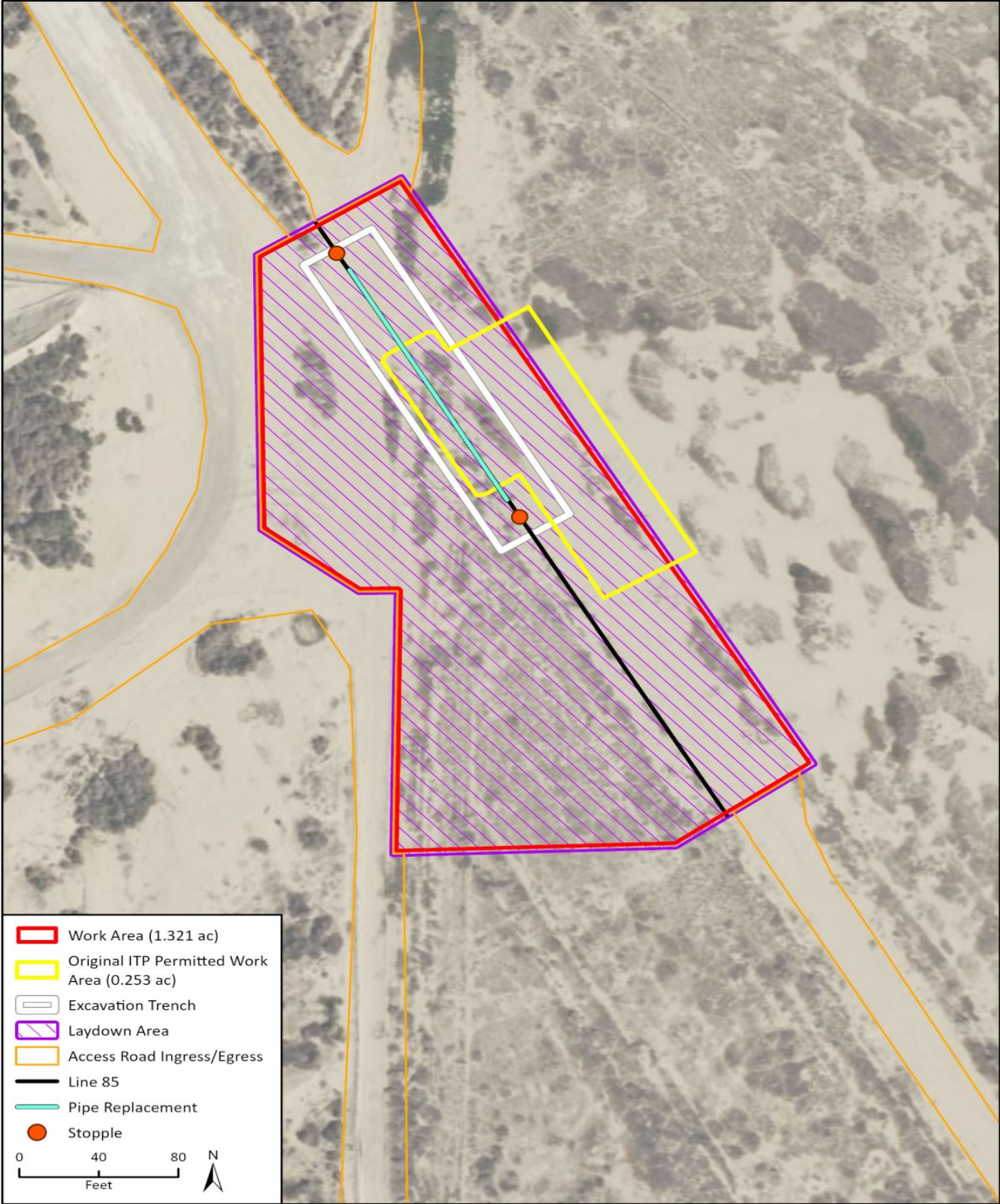


Fig 1 Regional Location Line 85 and Line 225



Figure 2a L85 Project Work Area

Southern California Gas Company  
Pipeline Recoat and Anode Install Project





Southern California Gas Company  
Pipeline Recoat and Anode Install Project

Figure 3a L225 Work Area



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## **Attachment 1**

### **CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)**

#### **CALIFORNIA ENDANGERED SPECIES ACT**

#### **AMENDED INCIDENTAL TAKE PERMIT NO. 2081-2021-007-04**

**PERMITTEE:** Southern California Gas Company

**PROJECT:** Southern California Gas Company Gas Pipeline  
Recoat and Anode Install Project

### **PURPOSE OF THE MMRP**

The purpose of the MMRP is to ensure that the impact minimization and mitigation measures required by the Department of Fish and Wildlife (CDFW) for the above-referenced Project are properly implemented, and thereby to ensure compliance with section 2081(b) of the Fish and Game Code and section 21081.6 of the Public Resources Code. A table summarizing the mitigation measures required by CDFW is attached. This table is a tool for use in monitoring and reporting on implementation of mitigation measures, but the descriptions in the table do not supersede the mitigation measures set forth in the California Incidental Take Permit (ITP) and in attachments to the ITP, and the omission of a permit requirement from the attached table does not relieve the Permittee of the obligation to ensure the requirement is performed.

### **OBLIGATIONS OF PERMITTEE**

Mitigation measures must be implemented within the time periods indicated in the table that appears below. Permittee has the primary responsibility for monitoring compliance with all mitigation measures and for reporting to CDFW on the progress in implementing those measures. These monitoring and reporting requirements are set forth in the ITP itself and are summarized at the front of the attached table.

### **VERIFICATION OF COMPLIANCE, EFFECTIVENESS**

CDFW may, at its sole discretion, verify compliance with any mitigation measure or independently assess the effectiveness of any mitigation measure.

## **TABLE OF MITIGATION MEASURES**

The following items are identified for each mitigation measure: Mitigation Measure, Source, Implementation Schedule, Responsible Party, and Status/Date/Initials. The Mitigation Measure column summarizes the mitigation requirements of the ITP. The Source column identifies the ITP condition that sets forth the mitigation measure. The Implementation Schedule column shows the date or phase when each mitigation measure will be implemented. The Responsible Party column identifies the person or agency that is primarily responsible for implementing the mitigation measure. The Status/Date/Initials column shall be completed by the Permittee during preparation of each Status Report and the Final Mitigation Report, and must identify the implementation status of each mitigation measure, the date that status was determined, and the initials of the person determining the status.



	Mitigation Measure	Source	Implementation Schedule	Responsible Party	Status / Date / Initials
<b>BEFORE DISTURBING SOIL OR VEGETATION</b>					
1	<u>Designated Representative</u> . Before starting Covered Activities, Permittee shall designate a representative (Designated Representative) responsible for communications with CDFW and overseeing compliance with the ITP. Permittee shall notify CDFW in writing before starting Covered Activities of the Designated Representative's name, business address, and contact information, and shall notify CDFW in writing if a substitute Designated Representative is selected or identified at any time during the term of the ITP.	ITP Condition # 3.1	Before commencing ground- or vegetation-disturbing activities/ Entire Project	Permittee	
2	<u>Designated Biologist(s) and Designated Monitor(s)</u> . Permittee shall submit to CDFW in writing the name, qualifications, business address, and contact information of the Designated Biologist(s) and Designated Monitor(s) using the Biologist Resume Form (Attachment 2) or another format containing the same information before starting Covered Activities. Permittee shall ensure that the Designated Biologist(s) and Designated Monitor(s) are knowledgeable and experienced in the biology and natural history of the Covered Species. Permittee shall also ensure the Designated Biologist's experience with: collecting, handling, and excavating burrows to minimize mortality of SJAS, TKR, and GKR and monitoring, evicting, and excavating dens being actively used by SJKF. The Designated Biologist(s) and Designated Monitor(s) shall be responsible for monitoring Covered Activities to help minimize and fully mitigate or avoid the incidental take of individual Covered Species and to minimize disturbance of Covered Species' habitat. Designated Monitor responsibilities will be restricted to a specific set of Conditions of Approval requested by the Permittee at the time of resume submittal. Designated Monitor(s) may assist the Designated Biologist in compliance monitoring under direction of the Designated Biologist. Permittee shall obtain CDFW approval of the Designated Biologist(s) and Designated Monitor(s) in writing before starting Covered Activities and shall also obtain approval in advance, in writing, if the Designated Biologist(s) or Designated Monitor(s) must be changed.	ITP Condition # 3.2	Before commencing ground- or vegetation-disturbing activities	Permittee	
3	<u>Education Program</u> . Permittee shall conduct an education program for all persons employed or otherwise working in the Project Area before performing any work. The program shall consist of a presentation from the Designated Biologist that includes a discussion of the biology and general behavior of the Covered Species, information about the distribution and habitat needs of the Covered Species, sensitivity of the Covered Species to human activities, its status pursuant to CESA including legal protection, recovery efforts, penalties for violations and Project-specific protective measures described in the ITP. Permittee shall prepare and distribute wallet-sized cards or a fact sheet handout containing this information for workers to carry in the Project Area. Permittee shall provide interpretation for non-English speaking workers, and the same instruction shall be provided to any new workers before they are authorized to perform work in the Project Area. Upon completion of the program, employees shall sign a form stating they attended the program and understand all protection measures. Permittee shall provide CDFW with a copy of all education program materials before starting Covered Activities and copies of the signed acknowledgment forms as described in Condition of Approval 4.8.	ITP Condition # 3.4	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee / Designated Biologist	
4	<u>Trash Abatement</u> . Permittee shall initiate a trash abatement program before starting Covered Activities and shall continue the program for the duration of the Project. Permittee shall ensure that trash and food items are contained in animal-proof containers and removed, ideally at daily intervals but at least once a week, to avoid attracting opportunistic predators such as ravens, coyotes, and feral dogs.	ITP Condition # 3.6	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
5	<u>Dust Control</u> . Permittee shall implement dust control measures during Covered Activities to facilitate visibility for monitoring of the Covered Species by the Designated Biologist. Permittee shall keep the amount of water used to the minimum amount needed and shall not allow water to form puddles. Permittee shall not apply dust suppressant, surfactant, soil binders, or stabilizer products that may be harmful to Covered Species. Permittee shall obtain written approval from CDFW before applying any dust suppressant, surfactant, soil binders, or stabilizer products. Permittee shall provide all available documentation of each product's safety or hazards to wildlife to CDFW with any such request for approval.	ITP Condition # 3.7	Before commencing ground- or vegetation-disturbing activities/ Entire Project	Permittee	
6	<u>Delineation of Property Boundaries</u> . Before starting Covered Activities, Permittee shall clearly delineate the boundaries of the Project Area with fencing, stakes, or flags. Permittee shall restrict all Covered Activities to within the fenced, staked, or flagged areas. Permittee shall maintain all fencing, stakes, and flags until the completion of Covered Activities in that area.	ITP Condition # 3.11	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee	
7	<u>Delineation of Habitat</u> . Permittee shall clearly delineate habitat of the Covered Species within the Project Area with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species' habitat. Permittee shall maintain all signs, stakes, flags, rope, cord, and fencing until the completion of Covered Activities in that area, at which time they should be removed.	ITP Condition # 3.12	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee	
8	<u>Notification Before Commencement</u> . The Designated Representative shall notify CDFW 3 calendar days before starting Covered Activities and shall document compliance with all pre-Project Conditions of Approval before starting Covered Activities.	ITP Condition # 4.1	Before commencing ground- or vegetation-disturbing activities	Permittee	
9	<u>SJAS Mortality Reduction and Relocation Plan</u> . Permittee shall submit a SJAS Mortality Reduction and Relocation Plan to CDFW prior to beginning Covered Activities. Burrow excavation activities shall not proceed until this plan has been approved in writing by CDFW's Regional Representative. The SJAS Mortality Reduction and Relocation Plan shall include, but not be limited to, timing; detailed burrow excavation methods; release location(s); detailed release methods (i.e., soft release, hard release, or another method); artificial burrow design and installation methods (if needed); and identification of a wildlife rehabilitation center or veterinary facility capable of and willing to treat injured SJAS. Once the SJAS Mortality Reduction and Relocation Plan is approved in writing by CDFW, it shall be used for all SJAS mortality reduction activities for the duration of the ITP. Any proposed changes to the CDFW-approved SJAS Mortality Reduction and Relocation Plan shall be submitted in writing to CDFW and approved by CDFW in writing prior to implementation of any proposed SJAS Mortality Reduction and Relocation Plan modifications.	ITP Condition # 4.3	Before commencing ground- or vegetation-disturbing activities	Permittee	
10	<u>TKR Mortality Reduction and Relocation Plan</u> . Permittee shall submit a TKR Mortality Reduction and Relocation Plan to CDFW prior to beginning Covered Activities. Trapping, burrow excavation, and other relocation activities shall not proceed until this plan has been approved in writing by CDFW's Regional Representative. The TKR Mortality Reduction and Relocation Plan shall include, but not be limited to, timing; detailed description of trapping methodology; detailed burrow excavation methods; release location(s); detailed release methods (i.e., soft release or another method); artificial burrow design and installation methods; description of exclusion fencing type and implementation; and identification of a wildlife rehabilitation center or veterinary facility capable of and willing to treat injured TKR. Once the TKR Mortality Reduction and Relocation Plan is approved in writing by CDFW, it shall be used for all TKR mortality reduction activities for the duration of the ITP. Any proposed changes to the CDFW-approved TKR Mortality Reduction and Relocation Plan shall be submitted in writing to CDFW and approved by CDFW in writing prior to implementation of any proposed TKR Mortality Reduction and Relocation Plan modifications.	ITP Condition # 4.4	Before commencing ground- or vegetation-disturbing activities	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
11	<u>GKR Mortality Reduction and Relocation Plan</u> . Permittee shall submit a GKR Mortality Reduction and Relocation Plan to CDFW prior to the start of Covered Activities. Burrow excavation and relocation activities shall not proceed until this plan has been approved in writing by CDFW's Regional Representative. The GKR Mortality Reduction and Relocation Plan shall include, but not be limited to, timing; detailed description of trapping methodology; detailed description of the burrow excavation methods; release location(s); detailed release methods (i.e., soft release or another method); artificial burrow design and installation methods; and identification of a wildlife rehabilitation center or veterinary facility for injured animals. Approved Designated Monitors may capture, handle, and relocate GKR under the direct supervision of the Designated Biologist. Once the GKR Mortality Reduction and Relocation Plan is approved by CDFW, it shall be used for all GKR relocation activities for the duration of the ITP. Any proposed changes to the CDFW-approved GKR Mortality Reduction and Relocation Plan shall be submitted in writing to CDFW and approved by CDFW in writing prior to implementation of any proposed GKR Mortality Reduction and Relocation Plan modifications.	ITP Condition # 4.5	Before commencing ground- or vegetation-disturbing activities	Permittee	
12	<u>Record of Covered Species Relocated</u> . The Designated Biologist shall maintain a record of all Covered Species handled and observed. This information shall include for each animal: (1) the locations (Global Positioning System (GPS) coordinates and maps) and time of capture and/or observation as well as release; (2) sex; (3) approximate age (adult/juvenile) and reproductive condition; (4) weight; (5) general condition and health, noting visible conditions including gait and behavior, diarrhea, emaciation, salivation, hair loss, ectoparasites, and injuries; and (6) ambient temperature when handled and released. The Designated Biologist shall prepare a Relocation Summary and include it in the Weekly Compliance Report described in Condition of Approval 4.8. The Relocation Summary in the Final Mitigation Report described in Condition of Approval 4.10 shall include cumulative results, analysis of data collected, and conclusions.	ITP Condition # 4.7	Before commencing ground- or vegetation-disturbing activities / Entire Project	Designated Biologist	
13	<u>Delineation of Ingress and Egress Routes</u> . Permittee shall flag or otherwise clearly mark all access roads in the field from the paved road and vehicle operation shall be limited to these designated ingress and egress routes.	ITP Condition # 5.4	Before commencing ground- or vegetation-disturbing activities / Entire Project	Permittee	
14	<u>Delineation of Environmentally Sensitive Areas</u> . Permittee shall clearly delineate Environmentally Sensitive Areas in the Project Area prior to the start of ground-disturbing activities. Environmentally Sensitive Areas are defined as all areas that warrant special protection and work exclusion zones, as defined in Conditions of Approval 5.20, 5.22, 5.26, and 5.32. Environmentally Sensitive Areas shall be marked with brightly colored markers visible to workers with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species. Permittee shall maintain Environmentally Sensitive Areas in good repair for the duration of the Covered Activities in the Project Area. No Covered Activities shall be allowed within Environmentally Sensitive Areas except per Conditions of Approval 5.21, 5.23, 5.25, 5.27, 5.30, 5.33, and 5.34.	ITP Condition # 5.14	Before commencing ground- or vegetation-disturbing activities	Permittee	
15	<u>Vegetation Removal</u> . Permittee shall remove any vegetation that will be disturbed within the Project Area by cutting/clipping the vegetation at the base of the plants under the supervision of Designated Biologist using hand tools within the Project Area to encourage Covered Species to move out of the area.	ITP Condition # 5.15	Before commencing ground- or vegetation-disturbing activities	Permittee	

	Mitigation Measure	Source	Implementation Schedule	Responsible Party	Status / Date / Initials
16	<p><u>Pre-Construction Surveys and Reporting.</u> The Designated Biologist(s) shall perform pre-construction surveys for the Covered Species no more than seven (7) calendar days prior to beginning Covered Activities.</p> <p>i) <u>SJAS Surveys.</u> The Designated Biologist shall survey each Work Area and 50 feet beyond the limits of the Work Area to identify and flag all potential burrows used by SJAS no more than seven (7) calendar days prior to beginning Covered Activities in the Project Area. Permittee shall provide the survey results in a written report to CDFW's Regional Representative prior to beginning Covered Activities. The report shall include, but not be limited to, methodology, date and time of survey, a discussion and map of the locations of each potential SJAS burrow.</p> <p>ii) <u>TKR Surveys.</u> The Designated Biologist shall survey each Work Area and a 50-foot buffer to identify, flag, and map all potential TKR burrows, whether they appear active or inactive, no more than seven (7) calendar days prior to beginning Covered Activities in the Project Area. Permittee shall provide the results in a TKR Burrow Map Survey written report to CDFW's Regional Representative prior to beginning Covered Activities. The report shall include, but not be limited to, methodology, date and time of survey, the number of potential TKR burrows and precincts, a discussion and map of the locations of each potential TKR burrow and precinct and the date when TKR relocation will occur as described in Condition of Approval 4.4.</p> <p>iii) <u>GKR Surveys.</u> The Designated Biologist shall survey each Work Area and a 50-foot buffer to identify, flag, and map all potential GKR burrows, whether they appear active or inactive, no more than seven (7) calendar days prior to beginning Covered Activities in the Project Area. Permittee shall provide the results in a GKR Burrow Map Survey written report to CDFW's Regional Representative prior to beginning Covered Activities. The report shall include, but not be limited to, methodology, date and time of survey, the number of potential GKR burrows and precincts, a discussion and map of the locations of each potential GKR burrow and precinct and the date when GKR relocation will occur as described in Condition of Approval 4.5.</p> <p>iv) <u>SJKF Surveys.</u> The Designated Biologist(s) shall perform Pre-Activity Surveys for SJKF and SJKF dens (potential, known, atypical, and natal dens) no more than seven (7) calendar days prior to beginning Covered Activities in each Work Area. Pre-Activity Surveys shall include each Work Area and 50 feet beyond the limits of each Work Area to identify all potential SJKF dens as well as a buffer zone of 500 feet beyond the limits of the Work Area (where feasible) to identify SJKF dens. If the Designated Biologist identifies any SJKF dens, the den(s) shall be monitored for at least two (2) consecutive nights with tracking medium and wildlife cameras to determine the current use of the den(s). Permittee shall notify the United States Fish and Wildlife Service (USFWS) and CDFW within 24 hours via e-mail if any SJKF-occupied atypical dens, known dens, or natal dens (occupied or unoccupied) are discovered within or immediately adjacent to the Work Area. Permittee shall provide the Pre-Activity Survey results in a written report to CDFW prior to beginning Covered Activities. The Pre-Activity Survey report shall include, but not be limited to, methodology, date and time of survey, the number, type, and status of SJKF dens, a discussion and map of the locations of each SJKF den identified.</p>	ITP Condition # 5.16	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
17	<u>Temporary Exclusion Fencing</u> . Permittee shall install trenchless Temporary Exclusion Fencing around the perimeter of each Work Area within the Project Area following surveys to flag all potential TKR, SJAS, and GKR burrows and SJKF dens in accordance with Condition of Approval 5.16 and immediately prior to TKR and GKR relocation in accordance with Condition of Approval 5.23 and 5.27. Fencing shall only be installed around locations within each Work Area where excavating/trenching will occur and any Staging Area that is not located entirely within an existing roadway. Permittee shall submit for review and approval in writing by CDFW an Exclusion Fencing Plan which shall include, but not be limited to, the fencing material, design, installation methods, access gates, and a map of installation locations prior to installing fencing.	ITP Condition # 5.17	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
18	<u>Temporary Exclusion Fencing Installation</u> . The Designated Biologist shall accompany the exclusion fence installation crew to ensure that Covered Species are not killed or injured during fence installation. The Designated Biologist shall ensure all small mammal burrow entrances are avoided (i.e., not covered) by fencing material during fence installation. The Designated Biologist shall ensure the Temporary Exclusion Fencing is sufficiently supported to maintain its integrity under all conditions such as wind and heavy rain for the duration of the Covered Activities in the Project Area. The Designated Biologist shall check the Temporary Exclusion Fence at least once weekly and maintain/repair the fence when necessary. Temporary Exclusion Fencing shall be removed immediately upon completion of Covered Activities at each Work Area to minimize habitat fragmentation caused by fencing.	ITP Condition # 5.18	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
19	<u>SJAS Burrow Avoidance</u> . The Designated Biologist shall establish a no-disturbance buffer of 50 feet or greater around suspected or known to be occupied SJAS burrows within the Project Area. If the 50-foot no-disturbance buffer cannot be established, burrow excavation shall occur in accordance with Condition of Approval 5.21.	ITP Condition # 5.20	Before commencing ground- or vegetation-disturbing activities / Entire Project	Designated Biologist	
20	<u>SJAS Burrow Excavation</u> . Immediately prior to beginning Covered Activities within the Project Area, the Designated Biologist, or an individual under the direct supervision of the Designated Biologist, shall fully excavate by hand any potential SJAS burrows present within the portion of the Project Area to be disturbed by Covered Activities. Any SJAS encountered during burrow excavation shall be allowed to escape out of harm's way to the adjacent natural habitat or relocated to the CDFW-approved release site identified in the SJAS Mortality Reduction and Relocation Plan (Condition of Approval 4.3) by the Designated Biologist. Any dormant, lactating/nursing female, or dependent juvenile Covered Species encountered shall be collected by the Designated Biologist and relocated to an artificial burrow installed at the CDFW-approved release site.	ITP Condition # 5.21	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
21	<u>TKR Burrow Avoidance</u> . The Designated Biologist shall establish a no-disturbance buffer of 50 feet or greater around suspected or known to be occupied TKR burrows within the Project Area. If the 50-foot no-disturbance buffer cannot be established, temporary exclusion fencing installation, live trapping, relocation, and burrow excavation shall occur in accordance with Conditions of Approval 5.17, 5.18, 5.23, 5.24, and 5.25.	ITP Condition # 5.22	Before commencing ground- or vegetation-disturbing activities / Entire Project	Designated Biologist	
22	<u>TKR Relocation</u> . Any potential TKR burrows detected by the Designated Biologist within the Work Area that cannot be avoided per Condition of Approval 5.22 shall be live trapped for one (1) night by the Designated Biologist immediately following exclusion fencing installation and prior to commencing Covered Activities within the Work Area. The Designated Biologist shall relocate any captured TKR to the CDFW-approved release site identified in the TKR Mortality Reduction and Relocation Plan (Condition of Approval 4.4).	ITP Condition # 5.23	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
23	<u>TKR Weather Constraints for Trapping.</u> Designated Biologist shall close all traps for TKR during the threat of inclement weather, such as the National Weather Service prediction of a 30 percent or greater chance of precipitation that can be independently verified by both CDFW and the Permittee. Additionally, the Designated Biologist shall close all traps for TKR if the air temperature exceeds 105 degrees Fahrenheit. The Designated Biologist shall place synthetic batting or other appropriate insulating material and additional food in each open trap if the air temperature is predicted to drop below 50 degrees Fahrenheit. The Designated Biologist shall replace this material with new material after each time a capture occurs in a given trap. The Designated Biologist shall cease trapping if captured animals are found to be lethargic or otherwise are showing signs of a decrease of body temperature.	ITP Condition # 5.24	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
24	<u>TKR Burrow Excavation.</u> Immediately following live trapping activities conducted to address Condition of Approval 5.23 and prior to beginning Covered Activities within the Work Area, the Designated Biologist or individuals under the direct supervision of the Designated Biologist shall fully excavate by hand all potential TKR burrows within each fenced Work Area to be disturbed by Covered Activities. The Designated Biologist shall relocate any TKR encountered during burrow excavation to the CDFW-approved release site(s) identified in the TKR Mortality Reduction and Relocation Plan (Condition of Approval 4.4).	ITP Condition # 5.25	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
25	<u>GKR Burrow Avoidance.</u> The Designated Biologist shall establish a no disturbance buffer of 50 feet or greater around suspected or known to be occupied GKR burrows and precincts within and adjacent to the Project Area, identified in the GKR Burrow Map Survey report required by Condition of Approval 5.16.3. If the 50-foot no disturbance buffer cannot be established, live trapping, relocation, and burrow excavation shall occur in accordance with Condition of Approval 5.27, 5.28, 5.29 and 5.30.	ITP Conditions # 5.26	Before commencing ground- or vegetation-disturbing activities / Entire Project	Designated Biologist	
26	<u>GKR Relocation.</u> Any potential GKR burrows detected by the Designated Biologist within the Work Area that cannot be avoided per Condition of Approval 5.26 shall be live trapped for one (1) night by the Designated Biologist immediately following exclusion fencing installation and prior to commencing Covered Activities within the Work Area. The Designated Biologist shall relocate any captured GKR to the CDFW approved release site identified in the GKR Mortality Reduction and Relocation Plan (Condition of Approval 4.5). The Designated Biologist shall relocate any haystacks, seed caches, and seed stores found with live-trapped GKR with the associated individual GKR by placing those materials at the release location with that individual.	ITP Condition # 5.27	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
27	<u>GKR January 1 – August 31 Trapping Constraints.</u> To reduce the amount of time a pregnant or lactating/nursing female may be in a trap, the Designated Biologist shall ensure that all traps set from January 1 through August 31 for the relocation of GKR be set no more than 1 hour prior to sunset and closed no more than 1 hour after sunrise. The Designated Biologist shall check all traps set during this time period when females may be pregnant or lactating/nursing for occupancy at least every 2 hours between sunset and sunrise.	ITP Condition # 5.28	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
28	<u>GKR Weather Constraints for Trapping.</u> Designated Biologist shall close all traps for GKR during the threat of inclement weather, such as the National Weather Service prediction of a 30 percent or greater chance of precipitation that can be independently verified by both CDFW and the Permittee. Additionally, the Designated Biologist shall close all traps for GKR if the air temperature exceeds 105 degrees Fahrenheit. The Designated Biologist shall place synthetic batting or other appropriate insulating material and additional food in each open trap if the air temperature is predicted to drop below 50 degrees Fahrenheit. The Designated Biologist shall replace this material with new material after each time a capture occurs in a given trap. The Designated Biologist shall cease trapping if captured animals are found to be lethargic or otherwise are showing signs of a decrease of body temperature.	ITP Condition # 5.29	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
29	<u>GKR Burrow Excavation</u> . Immediately following completion of live trapping activities conducted to address Condition of Approval 5.27 and prior to commencing Covered Activities within the Work Area, the Designated Biologist, or individuals under the direct supervision of the Designated Biologist, shall fully excavate by hand all potential GKR burrows within the Work Area to be disturbed by Covered Activities. The Designated Biologist shall relocate any GKR encountered during burrow excavation to the CDFW approved release site(s) identified in the GKR Mortality Reduction and Relocation Plan (Condition of Approval 4.5). Haystacks, seed caches, and seed stores found with a GKR during excavation shall be relocated with the associated individual GKR and shall be placed with the relocated individual.	ITP Condition # 5.30	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
30	<u>Protection of GKR Food Stores</u> . Where impacts occur that do not warrant relocation of GKR as directed by the GKR Mortality Reduction and Relocation Plan required in Condition of Approval 4.5, Permittee shall leave undisturbed any GKR food stores, including but not limited to, haystacks, seed caches, or other stockpiled forage. If avoidance is not feasible, the Designated Biologist shall implement measures to keep the food stores intact, including temporary relocation of the food stores (only during daytime; seeds must be returned to original location prior to sunset), cover the seeds with plywood to allow temporary vehicle or foot-traffic access, or implement other measures developed in consultation with CDFW.	ITP Condition # 5.31	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	
31	<u>SJKF Den Avoidance</u> . Permittee shall establish no-disturbance buffer zones around potential, known and natal SJKF dens according to the following guidelines: <ul style="list-style-type: none"> <li>• If a potential SJKF den (any subterranean hole, three inches or larger, for which no evidence is present to conclude that the den is being used or has been used by a SJKF) is discovered, Permittee shall establish a minimum 50-foot no-disturbance buffer around the den.</li> <li>• If a known den (one that shows evidence of current use or was used in the past) is discovered, Permittee shall establish a minimum no-disturbance buffer of at least 100 feet around the den.</li> <li>• If a natal den (den in which SJKF young are reared, typically with two or more openings) is discovered, Permittee shall establish a no-disturbance buffer of at least 200 feet around the den. Natal dens with pups shall have a no-disturbance buffer of at least 500 feet.</li> <li>• Permittee shall notify the USFWS and CDFW's Regional Representative immediately via phone and email if any SJKF-occupied atypical dens, known dens, or natal dens are discovered within or immediately adjacent to the Work Area. An established SJKF den no-disturbance buffer may be removed once the SJKF is no longer using the area.</li> </ul>	ITP Condition # 5.32	Before commencing ground- or vegetation-disturbing activities / Entire Project	Designated Biologist	
32	<u>SJKF Den Blockage</u> . Permittee shall not destroy SJKF dens unless they are in an area of direct ground disturbance (e.g., excavation/trench area) or their location poses a risk of direct harm to SJKF individuals. Dens in areas of temporary disturbance shall remain intact and the Designated Biologist shall block the entrance by installing an object (e.g., sandbags) approved in advance in writing by CDFW to prevent SJKF from entering and utilizing the den during Covered Activities. The Designated Biologist shall remove the object immediately after Covered Activities are completed in the Work Area when the Designated Biologist has determined that potential resumed use of the den will not result in harm to SJKF. Permittee shall not destroy or modify dens that are beyond the direct footprint of ground disturbance to preempt their use and den buffer establishment.	ITP Condition # 5.33	Before commencing ground- or vegetation-disturbing activities / Entire Project	Designated Biologist	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
33	<p><u>SJKF Den Excavation</u>. The Designated Biologist or individuals under direct supervision of the Designated Biologist shall excavate potential or known dens that exhibit signs of SJKF use or characteristics suggestive of SJKF dens (including dens in natural substrate and in/under man-made structures) that cannot be avoided as described above only after the Designated Biologist has determined that SJKF is not currently present after 2 consecutive nights of monitoring with tracking medium and wildlife camera.</p> <p>Potential SJKF dens without any signs of SJKF use or characteristics suggesting it is a SJKF den may be excavated under the direct supervision of the Designated Biologist without advance tracking or camera monitoring. Natal dens shall not be excavated until the pups and adults have vacated the den and then only after concurrence from CDFW.</p> <p>If the excavation process reveals evidence of current use by SJKF, then den excavation shall cease immediately and tracking or camera monitoring as described above shall be conducted/resumed. Excavation of the den shall only resume when, in the judgment of the Designated Biologist, the SJKF has escaped from the partially excavated den. SJKF dens shall be carefully excavated until it is clear no individuals of SJKF are inside.</p> <p>Dens to be destroyed shall be fully excavated, filled with dirt and compacted to ensure that SJKF cannot reenter or use the den during the period that Covered Activities would occur in the Work Area. If an individual SJKF does not vacate a den within the Work Area within a reasonable timeframe, Permittee shall consult with CDFW to obtain written guidance prior to proceeding with den destruction.</p>	ITP Condition # 5.34	Before commencing ground- or vegetation-disturbing activities	Designated Biologist	



	Mitigation Measure	Source	Implementation Schedule	Responsible Party	Status / Date / Initials
34	<p><b>Habitat Management Land Acquisition:</b> Protocol-level trapping efforts were conducted in the Project Area in 2020. At the L225 Site, TKR were captured. Suitable habitat is also present at the site for GKR, SJAS, and SJKF. Conditions at the L225 Site include Valley (Alkali) Sink Scrub habitat including low herbaceous and scrub vegetation with scattered open areas. At the L85 Site, an individual GKR was captured and SJAS were visually detected. Suitable habitat is also present at the site for SJKF. Conditions at the L85 Site include maintained gravel access roads surrounded by non-native annual grasslands with scattered saltbrush (<i>Atriplex polycarpa</i>). The L85 Site is outside of the expected range of TKR.</p> <p>As a result of these findings, CDFW has determined that permanent protection and perpetual management of compensatory habitat is necessary and required pursuant to CESA to fully mitigate Project-related impacts of the taking on the Covered Species that will result from implementation of the Covered Activities. This determination is based on factors including an assessment of the importance of the habitat in the Project Area, the extent to which the Covered Activities will impact the habitat, and CDFW's estimate of the protected acreage required to provide for adequate compensation.</p> <p>To meet this requirement, the Permittee shall provide for the permanent protection and perpetual management of 5.75 acres of compensatory habitat. Permittee shall:</p> <ul style="list-style-type: none"> <li>Purchase 3 Covered Species conservation credits from the Kern Water Bank Authority and assign and deduct 2.07 Covered Species credits from its balance of conservation credits at Coles Levee Ecosystem Preserve, for a total of <b>5.07 credits</b> pursuant to Conditions of Approval 6.1 before starting Covered Activities;</li> </ul> <p><b>AND</b></p> <ul style="list-style-type: none"> <li>Provide an additional <b>0.68 acre</b> of compensatory habitat for GKR, SJAS, and SJKF. Permittee shall either purchase an additional 0.68 credits for GKR, SJAS, and SJKF from a CDFW-approved conservation bank pursuant to Conditions of Approval 6.1 <b>OR</b> provide for the permanent protection and perpetual management of <b>0.68 acre</b> of Habitat Management (HM) lands for GKR, SJAS, and SJKF pursuant to Condition of Approval 6.2 and the calculation and deposit of the management funds pursuant to Condition of Approval 6.3.</li> </ul> <p>Permittee must provide 5.07 acres of compensatory habitat in the form of Covered Species credits before starting Covered Activities. In addition, Permittee must provide 0.68 acres of compensatory habitat for GKR, SJAS, and SJKF before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3 (Figure 2a), or within 18 months of the effective date of the ITP if Security is provided pursuant to Condition of Approval 7 for all uncompleted obligations.</p>	ITP Condition # 6	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
35	<p><b>Covered Species Credits.</b> Permittee shall purchase 3 Covered Species conservation credits from the Kern Water Bank Authority and assign and deduct 2.07 Covered Species credits from its balance of conservation credits at Coles Levee Ecosystem Preserve, for a total of 5.07 credits prior to initiating Covered Activities. Permittee shall submit to CDFW a copy of the Bill of Sale(s), Payment Receipt(s), and a credit ledger or similar document verifying that Covered Species credits have been assigned to the ITP prior to initiating Covered Activities.</p> <p>In addition, if the Permittee elects to provide Covered Species credits, Permittee shall purchase an additional 0.68 conservation credits for GKR, SJAS, and SJKF at a CDFW-approved conservation bank before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided pursuant to Condition of Approval 7 for all uncompleted obligations. Prior to purchase of Covered Species credits, Permittee shall obtain CDFW approval to ensure the mitigation or conservation bank is appropriate to compensate for the impacts of this Project.</p> <p><b>OR</b></p>	ITP Condition # 6.1	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	
36	<p><b>Fee Title.</b> Transfer fee title of the HM lands to CDFW pursuant to terms approved in writing by CDFW. Alternatively, CDFW, in its sole discretion, may authorize a governmental entity, special district, non-profit organization, for-profit entity, person, or another entity to hold title to and manage the property provided that the district, organization, entity, or person meets the requirements of Government Code sections 65965-65968, as amended.</p>	ITP Condition # 6.2.1	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	
37	<p><b>Conservation Easement.</b> If CDFW does not hold fee title to the HM lands, CDFW shall act as grantee for a conservation easement over the HM lands or shall, in its sole discretion, approve a non-profit entity, public agency, or Native American tribe to act as grantee for a conservation easement over the HM lands provided that the entity, agency, or tribe meets the requirements of Civil Code section 815.3. If CDFW elects not to be named as the grantee for the conservation easement, CDFW shall be expressly named in the conservation easement as a third-party beneficiary. The Permittee shall obtain CDFW written approval of any conservation easement before its execution or recordation. No conservation easement shall be approved by CDFW unless it complies with Civil Code sections 815-816, as amended, and Government Code sections 65965-65968, as amended and includes provisions expressly addressing Government Code sections 65966(j) and 65967(e). Because the "doctrine of merger" could invalidate the conservation interest, under no circumstances can the fee title owner of the HM lands serve as grantee for the conservation easement</p>	ITP Condition # 6.2.2	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
38	<u>HM Lands Approval</u> . Obtain CDFW written approval of the HM lands before acquisition and/or transfer of the land by submitting, at least three months before acquisition and/or transfer of the HM lands, documentation identifying the land to be purchased or property interest conveyed to an approved entity as mitigation for the Project's impacts on Covered Species.	ITP Condition # 6.2.3	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	
39	<u>HM Lands Documentation</u> . Provide a recent preliminary title report, Phase I Environmental Site Assessment, and other necessary documents (please contact CDFW for document list). All documents conveying the HM lands and all conditions of title are subject to the approval of CDFW, and if applicable, the Wildlife Conservation Board and the Department of General Services.	ITP Condition # 6.2.4	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
40	<u>Land Manager</u> . Designate both an interim and long-term land manager approved by CDFW. The interim and long-term land managers may, but need not, be the same. The interim and/or long-term land managers may be the landowner or another party. Documents related to land management shall identify both the interim and long-term land managers. Permittee shall notify CDFW of any subsequent changes in the land manager within 30 days of the change. If CDFW will hold fee title to the mitigation land, CDFW will also act as both the interim and long-term land manager unless otherwise specified. The grantee for the conservation easement cannot serve as the interim or long-term manager without the express written authorization of CDFW in its sole discretion.	ITP Condition # 6.2.5	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	
41	<u>Start-up Activities</u> . Provide for the implementation of start-up activities, including the initial site protection and enhancement of HM lands, once the HM lands have been approved by CDFW. Start-up activities include, at a minimum: (1) preparing a final management plan for CDFW approval (see <a href="https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=137386&amp;inline">https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=137386&amp;inline</a> ) (2) conducting a baseline biological assessment and land survey report within four months of recording or transfer; (3) developing and transferring Geographic Information Systems (GIS) data if applicable; (4) establishing initial fencing; (5) conducting litter removal; (6) conducting initial habitat restoration or enhancement, if applicable; and (7) installing signage.	ITP Condition # 6.2.6	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
42	<p><u>Interim Management (Initial and Capital)</u>. Provide for the interim management of the HM lands. The Permittee shall ensure that the interim land manager implements the interim management of the HM lands as described in the final management plan and conservation easement approved by CDFW. The interim management period shall be a minimum of three years from the date of HM land acquisition and protection and full funding of the Endowment and includes expected management following start-up activities. Interim management period activities described in the final management plan shall include fence repair, continuing trash removal, site monitoring, and vegetation and invasive species management, Covered Species monitoring surveys, equipment, travel, and other necessary management activities.</p> <p>Permittee shall either (1) provide Security to CDFW for the minimum of three years of interim management that the land owner, Permittee, or land manager agrees to manage and pay for at their own expense, (2) establish an escrow account with written instructions approved in advance in writing by CDFW to pay the land manager annually in advance, or (3) establish a short-term enhancement account with CDFW or a CDFW-approved entity for payment to the land manager.</p>	ITP Condition # 6.2.7	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	
43	<p><u>Endowment Fund</u>. If the Permittee elects to provide for the acquisition, permanent protection, and perpetual management of HM lands to complete compensatory mitigation obligations, then the Permittee shall ensure that the HM lands are perpetually managed, maintained, and monitored by the long-term land manager as described in the ITP, the conservation easement, and the final management plan approved by CDFW. After obtaining CDFW approval of the HM lands, Permittee shall provide long-term management funding for the perpetual management of the HM lands by establishing a long-term management fund (Endowment). The Endowment is a sum of money, held in a CDFW-approved fund that is permanently restricted to paying the costs of long-term management and stewardship of the mitigation property for which the funds were set aside, which costs include the perpetual management, maintenance, monitoring, and other activities on the HM lands consistent with the ITP, the conservation easement, and the management plan required by Condition of Approval 9.3.6. Endowment as used in the ITP shall refer to the endowment deposit and all interest, dividends, other earnings, additions and appreciation thereon. The Endowment shall be governed by the ITP, Government Code sections 65965-65968, as amended, and Probate Code sections 18501-18510, as amended.</p> <p>After the interim management period, Permittee shall ensure that the designated long-term land manager implements the management and monitoring of the HM lands according to the final management plan. The long-term land manager shall be obligated to manage and monitor the HM lands in perpetuity to preserve their conservation values in accordance with the ITP, the conservation easement, and the final management plan. Such activities shall be funded through the Endowment.</p>	ITP Condition # 6.3	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
44	<p><u>Identify an Endowment Manager.</u> The Endowment shall be held by the Endowment Manager, which shall be either CDFW or another entity qualified pursuant to Government Code sections 65965-65968, as amended.</p> <p>Permittee shall submit to CDFW a written proposal that includes: (i) the name of the proposed Endowment Manager; (ii) whether the proposed Endowment Manager is a governmental entity, special district, nonprofit organization, community foundation, or congressionally chartered foundation; (iii) whether the proposed Endowment Manager holds the property or an interest in the property for conservation purposes as required by Government Code section 65968(b)(1) or, in the alternative, the basis for finding that the Project qualifies for an exception pursuant to Government Code section 65968(b)(2); and (iv) a copy of the proposed Endowment Manager's certification pursuant to Government Code section 65968(e).</p> <p>Within thirty days of CDFW's receipt of Permittee's written proposal, CDFW shall inform Permittee in writing if it determines the proposal does not satisfy the requirements of Fish and Game Code section 2081(b)(3) and, if so, shall provide Permittee with a written explanation of the reasons for its determination. If CDFW does not provide Permittee with a written determination within the thirty-day period, the proposal shall be deemed consistent with Section 2081(b)(3).</p>	ITP Condition # 6.3.1	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	
45	<p><u>Calculate the Endowment Funds Deposit.</u> After obtaining CDFW written approval of the HM lands, long-term management plan, and Endowment Manager, Permittee shall prepare an endowment assessment (equivalent to a Property Analysis Record (PAR)) to calculate the amount of funding necessary to ensure the long-term management of the HM lands (Endowment Deposit Amount). Note that the endowment for the easement holder should not be included in this calculation. The Permittee shall submit to CDFW for review and approval the results of the endowment assessment before transferring funds to the Endowment Manager.</p>	ITP Condition # 6.3.2	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
46	<u>Capitalization Rate and Fees</u> . Permittee shall obtain the capitalization rate from the selected Endowment Manager for use in calculating the endowment assessment and adjust for any additional administrative, periodic, or annual fees.	ITP Condition # 6.3.2.1	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	
47	<u>Endowment Buffers/Assumptions</u> . Permittee shall include in the endowment assessment assumptions the following buffers for endowment establishment and use that will substantially ensure long-term viability and security of the Endowment: <ul style="list-style-type: none"> <li>i) <u>10 Percent Contingency</u>. A 10 percent contingency shall be added to each endowment calculation to hedge against underestimation of the fund, unanticipated expenditures, inflation, or catastrophic events.</li> <li>ii) <u>Three Years Delayed Spending</u>. The endowment shall be established assuming spending will not occur for the first three years after full funding.</li> <li>iii) <u>Non-annualized Expenses</u>. For all large capital expenses to occur periodically but not annually such as fence replacement or well replacement, payments shall be withheld from the annual disbursement until the year of anticipated need or upon request to Endowment Manager and CDFW.</li> </ul>	ITP Condition # 6.3.2.2	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
48	<u>Transfer Long-term Endowment Funds.</u> Permittee shall transfer the long-term endowment funds to the Endowment Manager upon CDFW approval of the Endowment Deposit Amount identified above.	ITP Condition # 6.3.3	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	
49	<p><u>Management of the Endowment.</u> The approved Endowment Manager may pool the Endowment with other endowments for the operation, management, and protection of HM lands for local populations of the Covered Species but shall maintain separate accounting for each Endowment. The Endowment Manager shall, at all times, hold and manage the Endowment in compliance with the ITP, Government Code sections 65965-65968, as amended, and Probate Code sections 18501-18510, as amended.</p> <p>Notwithstanding Probate Code sections 18501-18510, the Endowment Manager shall not make any disbursement from the Endowment that will result in expenditure of any portion of the principal of the endowment without the prior written approval of CDFW in its sole discretion. Permittee shall ensure that this requirement is included in any agreement of any kind governing the holding, investment, management, and/or disbursement of the Endowment funds.</p> <p>Notwithstanding Probate Code sections 18501-18510, if CDFW determines in its sole discretion that an expenditure needs to be made from the Endowment to preserve the conservation values of the HM lands, the Endowment Manager shall process that expenditure in accordance with directions from CDFW. The Endowment Manager shall not be liable for any shortfall in the Endowment resulting from CDFW's decision to make such an expenditure.</p>	ITP Condition # 6.3.4	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	



	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
50	<u>Reimburse CDFW</u> . Permittee shall reimburse CDFW for all reasonable costs incurred by CDFW related to issuance and monitoring of the ITP, including, but not limited to transaction fees, account set-up fees, administrative fees, title and documentation review and related title transactions, costs incurred from other state agency reviews, and overhead related to transfer of HM lands to CDFW.	ITP Condition # 6.4	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP if Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	Mitigation Measure	Source	Implementation Schedule	Responsible Party	Status / Date / Initials
51	<p><u>Security</u>: The Permittee may proceed with Covered Activities only after the Permittee has ensured funding (Security) to complete any activity required by Condition of Approval 6 that has not been completed before Covered Activities begin. Permittee shall provide Security as follows:</p> <ul style="list-style-type: none"> <li>• <u>Security Amount</u>. The Security shall be in the amount of \$40,375.00. This amount is based on cost estimates identified by CDFW for purchase of one Covered Species conservation bank credits (minimum purchase amount) from a CDFW approved conservation bank with an authorized service area that includes the Project.</li> <li>• <u>Security Form</u>. The Security shall be in the form of an irrevocable letter of credit (see Attachment 3) or another form of Security approved in advance in writing by CDFW's Office of the General Counsel.</li> <li>• <u>Security Timeline</u>. The Security shall be provided in draft form to CDFW's Regional Representative for review and approval prior to execution. Permittee shall execute the CDFW-approved Security within 30 days after issuance of the ITP.</li> <li>• <u>Security Holder</u>. The Security shall be held by CDFW or in a manner approved in advance in writing by CDFW.</li> <li>• <u>Security Transmittal</u>. Permittee shall transmit security to CDFW by way of an approved instrument such as an escrow agreement, irrevocable letter of credit, or other.</li> <li>• <u>Security Drawing</u>. The Security shall allow CDFW to draw on the principal sum if CDFW, in its sole discretion, determines that the Permittee has failed to comply with the Conditions of Approval of the ITP.</li> <li>• <u>Security Release</u>. The Security (or any portion of the Security then remaining) shall be released to the Permittee after CDFW has conducted an on-site inspection and received confirmation that all secured requirements have been satisfied, as evidenced by:</li> </ul> <p><u>Credit Purchase</u></p> <ul style="list-style-type: none"> <li>○ Copy of Bill of Sale(s) and Payment Receipt(s) or Credit Transfer Agreement for the purchase of Covered Species credits; and</li> <li>○ Timely submission of all required reports.</li> </ul> <p><b>OR</b></p> <p><u>Habitat Management Land Acquisition</u></p> <ul style="list-style-type: none"> <li>○ Written documentation of the acquisition of the HM lands;</li> <li>○ Copies of all executed and recorded conservation easements;</li> <li>○ Written confirmation from the approved Endowment Manager of its receipt of the full Endowment; and</li> <li>○ Timely submission of all required reports.</li> </ul> <p>Even if Security is provided, the Permittee must complete the required acquisition, protection and transfer of all HM lands and record any required conservation easements no later than <b>18 months</b> from the effective date of the ITP. CDFW may require the Permittee to provide additional HM lands and/or additional funding to ensure the impacts of the taking are minimized and fully mitigated, as required by law, if the Permittee does not complete these requirements within the specified timeframe.</p>	ITP Condition # 7	Before commencing ground- or vegetation-disturbing activities (or within 18 months of issuance of the ITP is Security is provided) and before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months of the effective date of the ITP if Security is provided	Permittee	

	Mitigation Measure	Source	Implementation Schedule	Responsible Party	Status / Date / Initials
<b>DURING CONSTRUCTION</b>					
52	<u>Designated Biologist/Designated Monitor Authority</u> . To ensure compliance with the Conditions of Approval of the ITP, the Designated Biologist and/or Designated Monitor shall immediately stop any activity that does not comply with the ITP and/or order any reasonable measure to avoid the unauthorized take of an individual of the Covered Species. Permittee shall provide unfettered access to the Project Site and otherwise facilitate the Designated Biologist and/or Designated Monitor in the performance of his/her duties. If the Designated Biologist and/or Designated Monitor is unable to comply with the ITP, then the Designated Biologist and/or Designated Monitor shall notify the CDFW Representative immediately. Permittee shall not enter into any agreement or contract of any kind, including but not limited to non-disclosure agreements and confidentiality agreements, with its contractors and/or the Designated Biologist(s), and/or Designated Monitor(s) that prohibit or impede open communication with CDFW, including but not limited to providing CDFW staff with the results of any surveys, reports, or studies or notifying CDFW of any non-compliance or take. Failure to notify CDFW of any non-compliance or take or injury of a Covered Species as a result of such agreement or contract may result in CDFW taking actions to prevent or remedy a violation of the ITP.	ITP Condition # 3.3	Entire Project	Designated Biologist / Designated Monitor	
53	<u>Construction Monitoring Documentation</u> . The Designated Biologist shall maintain construction-monitoring documentation on-site in either hard copy or digital format throughout the construction period, which shall include a copy of the ITP with attachments and a list of signatures of all personnel who have successfully completed the education program. Permittee shall ensure a copy of the construction-monitoring documentation is available for review at the Project site upon request by CDFW.	ITP Condition # 3.5	Entire Project	Designated Biologist	
54	<u>Erosion Control Materials</u> . Permittee shall prohibit use of erosion control materials potentially harmful to Covered Species and other species, such as monofilament netting (erosion control matting) or similar material, in potential Covered Species' habitat. Permittee shall deploy erosion control mats, blankets, or coir rolls consisting of only natural-fiber, biodegradable materials.	ITP Condition # 3.8	Entire Project	Permittee	
55	<u>Dogs</u> . Permittee shall prohibit domestic dogs from the Project Area and the site access routes during Covered Activities, except those in the possession of authorized security personnel or local, State, or federal law enforcement officials.	ITP Condition # 3.9	Entire Project	Permittee	
56	<u>Wildfire Avoidance</u> . Permittee or Permittee's contractors shall minimize the potential for human-caused wildfires by carrying water or fire extinguishers and shovels in all Project-related vehicles and equipment. The use of shields, protective mats, or use of other fire preventative methods shall be used during grinding and welding to minimize the potential for fire. Personnel shall be trained regarding the fire hazard for wildlife as a part of the worker education program described in Condition of Approval 3.4.	ITP Condition # 3.10	Entire Project	Permittee	
57	<u>Project Access</u> . Project-related personnel shall access the Project Area using existing routes and shall not cross Covered Species' habitat outside of or en route to the Project Area. Permittee shall restrict Project-related vehicle traffic to established roads, staging, and parking areas. Permittee shall ensure that vehicle speeds do not exceed 20 miles per hour during daylight hours (sunrise to sunset) and 10 miles per hour during nighttime hours to avoid Covered Species on or traversing the roads. If Permittee determines construction of routes for travel are necessary outside of the Project Area, the Designated Representative shall contact CDFW for written approval before carrying out such an activity. CDFW may require an amendment to the ITP, among other reasons, if additional take of Covered Species will occur as a result of the Project modification.	ITP Condition # 3.13	Entire Project	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
58	<u>Staging Areas</u> . Permittee shall confine all Project-related parking, storage areas, laydown sites, equipment storage, and any other surface-disturbing activities to the Project Area using, to the extent possible, previously disturbed areas. Additionally, Permittee shall not use or cross Covered Species' habitat outside of the marked Project Area unless provided for as described in Condition of Approval 3.13 of the ITP.	ITP Condition # 3.14	Entire Project	Permittee	
59	<u>Hazardous Waste</u> . Permittee shall immediately stop and, pursuant to pertinent state and federal statutes and regulations, arrange for repair and clean up by qualified individuals of any fuel or hazardous waste leaks or spills at the time of occurrence, or as soon as it is safe to do so. Permittee shall exclude the storage and handling of hazardous materials from the Project Area and shall properly contain and dispose of any unused or leftover hazardous products off-site.	ITP Condition # 3.15	Entire Project	Permittee	
60	<u>CDFW Access</u> . Permittee shall provide CDFW staff with reasonable access to the Project and mitigation lands under Permittee control and shall otherwise fully cooperate with CDFW efforts to verify compliance with or effectiveness of mitigation measures set forth in the ITP.	ITP Condition # 3.16	Entire Project	Permittee	
61	<u>Rodenticide Use</u> . Permittee shall prohibit the use of rodenticides in the Project Area.	ITP Condition # 3.18	Entire Project	Permittee	
62	<u>Notification of Non-compliance</u> . The Designated Representative or Designated Biologist shall notify CDFW by phone or email within 4 hours of the discovery if the Permittee is not in compliance with any Condition of Approval of the ITP, including but not limited to any actual or anticipated failure to implement measures within the time periods indicated in the ITP and/or this MMRP. The Designated Representative or Designated Biologist shall follow up within 24 hours with a written report to CDFW describing, in detail, any non-compliance with the ITP and suggested measures to remedy the situation.	ITP Condition # 4.2	Entire Project	Designated Representative / Designated Biologist	
63	<u>Compliance Monitoring</u> . The Designated Biologist shall be on-site daily to conduct compliance monitoring when Covered Activities occur. The Designated Biologist shall conduct daily compliance inspections during active construction and compliance inspections a minimum of once per week during periods of inactivity. The Designated Biologist shall conduct compliance inspections to: (1) minimize incidental take of the Covered Species; (2) prevent unlawful take of species; (3) check for compliance with all measures of the ITP; (4) check all exclusion zones; and (5) ensure that signs, stakes, and fencing are intact, and that Covered Activities are only occurring in the Project Area.  In addition to daily compliance inspections required by this Condition of Approval, the Designated Representative and Designated Biologist(s) shall ensure that all other inspections required by the ITP are conducted at the frequencies (i.e., interval, time(s) of day, following weather events, etc.) required by other specific Conditions of Approval. The Designated Representative or Designated Biologist shall prepare daily written observation and inspection records summarizing oversight activities and compliance inspections, observations of Covered Species and their sign, survey results, and monitoring activities required by the ITP.	ITP Condition # 4.6	Entire Project	Designated Biologist	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
64	<u>Weekly Compliance Report.</u> The Designated Representative or Designated Biologist shall compile the observation and inspection records identified in Condition of Approval 4.6 and 4.7 into a Weekly Compliance Report and submit it to CDFW along with a copy of this MMRP table with notes showing the current implementation status of each mitigation measure. Weekly Compliance Reports shall also include an accounting of the number of acres that have been permanently and temporarily disturbed by the Project within the Project Area, both for the prior week, and the total since ITP issuance, if applicable; the number of acres of habitat disturbance anticipated to occur in the Project Area during the coming week, if applicable; a summary of all pre-activity surveys and compliance monitoring conducted during the previous week; and the activities authorized under the Covered Activities which occurred during the previous week. Weekly Compliance Reports shall be submitted via e-mail to CDFW's Regional Representative, Regional CESA Program, and Headquarters CESA Program no later than the first Monday following commencement of Covered Activities and each Monday thereafter. At the time of the ITP's approval, the CDFW Regional Representative is Shaelyn Latronica ( <a href="mailto:Shaelyn.Latronica@wildlife.ca.gov">Shaelyn.Latronica@wildlife.ca.gov</a> ), Regional CESA Program email is <a href="mailto:R4CESA@wildlife.ca.gov">R4CESA@wildlife.ca.gov</a> , and Headquarters CESA Program email is <a href="mailto:CESA@wildlife.ca.gov">CESA@wildlife.ca.gov</a> . CDFW may at any time increase the timing and number of compliance inspections and reports required under this provision depending upon the results of previous compliance inspections. If CDFW determines the reporting schedule must be changed, CDFW will notify Permittee in writing of the new reporting schedule.	ITP Condition # 4.8	Entire Project	Permittee	
65	<u>CNDDDB Observations.</u> The Designated Biologist shall submit all observations of Covered Species to CDFW's California Natural Diversity Database (CNDDDB) within 7 calendar days of the observation and the Designated Biologist shall include copies of the submitted forms with the next Weekly Compliance Report.	ITP Condition # 4.9	Entire Project	Designated Biologist	
66	<u>Notification of Take or Injury.</u> Permittee shall immediately notify the Designated Biologist if a Covered Species is taken or injured by a Project-related activity, or if a Covered Species is otherwise found dead or injured within the vicinity of the Project. The Designated Biologist or Designated Representative shall provide initial notification to CDFW by calling the Regional Office at (559) 243-4005 and by email to the CDFW's Regional Office ( <a href="mailto:R4CESA@wildlife.ca.gov">R4CESA@wildlife.ca.gov</a> ) and CDFW Representative ( <a href="mailto:Shaelyn.Latronica@wildlife.ca.gov">Shaelyn.Latronica@wildlife.ca.gov</a> ). The initial notification to CDFW shall include information regarding the location, species, and number of animals taken or injured and the ITP Number. Following initial notification, Permittee shall send CDFW a written report within two calendar days. The report shall include the date and time of the finding or incident, location of the animal or carcass, and if possible, provide a photograph, explanation as to cause of take or injury, and any other pertinent information.	ITP Condition # 4.11	Entire Project	Permittee / Designated Representative / Designated Biologist	
67	<u>Designated Biologist On Site.</u> The Designated Biologist shall be on site for the duration of the day during all activities that may result in the take of Covered Species.	ITP Condition # 5.1	Entire Project	Designated Biologist	
68	<u>Work Hours.</u> Permittee shall confine all surface- or vegetation-disturbing activities to daylight hours (sunrise to sunset) except activities occurring overnight that are specifically described in the Project Description section of the ITP. Permittee shall ensure that all vehicle traffic necessary during nighttime hours shall be conducted with extra caution to minimize impacts to nocturnal species. Nightwork may be permitted with written authorization from CDFW (e-mail will suffice) if any additional nightwork shall occur.	ITP Condition # 5.2	Entire Project	Permittee	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
69	<u>Lighting</u> . Permittee shall not use temporary, fixed, exterior lighting, including motion-triggered security lighting, that casts light on Covered Species habitat beyond the footprint of the Project Area between sunset and sunrise except the use of temporary light towers for activities occurring overnight specifically described in the Project Description section of the ITP, or unless authorized in writing from CDFW. Permittee shall ensure that all temporary, exterior, fixed lighting used within the Project Area is turned on only when people are present and does not cast light on Covered Species habitat beyond the Project Area footprint. Permittee shall not install permanent lighting at the Project Area.	ITP Condition # 5.3	Entire Project	Permittee	
70	<u>Equipment Fueling</u> . Permittee shall ensure that all equipment fueling and equipment maintenance occur at least 25 feet from Covered Species burrows and dens, unless fueling and maintenance occurs within the fenced Work Areas where burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30 and 5.34, or approved in advance in writing by CDFW. Permittee shall ensure that sufficient spill containment and cleanup equipment shall be present at all fueling locations. Permittee shall request written authorization from CDFW (email will suffice) if any additional fueling and maintenance locations are necessary outside of the Work Area.	ITP Condition # 5.5	Entire Project	Permittee	
71	<u>Vehicle Parking</u> . Permittee shall not allow vehicles to park on top of Covered Species burrows and dens. Permittee shall restrict parking to within designated staging and parking areas for which burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30, and 5.34. Vehicles left overnight shall be located at least 50 feet from all Covered Species dens and burrows unless parking occurs within the fenced Work Areas where vegetation has been removed and burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30, and 5.34, or approved in advance in writing by CDFW.	ITP Condition # 5.6	Entire Project	Permittee	
72	<u>Vehicle and Equipment Inspection</u> . Workers shall inspect for Covered Species under vehicles and equipment every time before the vehicles and equipment are moved. If a Covered Species is present, the worker shall notify the Designated Biologist and wait for the Covered Species to move unimpeded to a safe location. Alternatively, the Designated Biologist shall move SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans as required in Conditions of Approval 4.3, 4.4, and 4.5.	ITP Condition # 5.7	Entire Project	Permittee Designated Biologist	
73	<u>Stockpiling Materials</u> . Permittee shall stockpile all materials and equipment in a manner that discourages Covered Species' use. In all locations, bundled or loose materials shall not be placed directly on the ground. These materials shall be elevated to discourage use by Covered Species.	ITP Condition # 5.8	Entire Project	Permittee	
74	<u>Soil Stockpiles</u> . Permittee shall ensure that soil stockpiles are placed where soil will not pass into any other "Waters of the State," in accordance with Fish and Game Code Section 5650. Permittee shall protect stockpiles to prevent soil erosion.	ITP Condition # 5.9	Entire Project	Permittee	
75	<u>Materials Inspection</u> . Workers shall thoroughly inspect all construction pipe, culverts, or other similar structures with a diameter of one inch or greater that are stored for one or more overnight periods for the Covered Species before the structure is subsequently moved, buried, or capped. If during inspection, a Covered Species is discovered inside a pipe, culvert, or similar structure, workers shall notify the Designated Biologist and wait for SJAS, TKR, and GKR to move unimpeded to a safe location before moving and utilizing the structure. Alternatively, the Designated Biologist shall move SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5.	ITP Condition # 5.10	Entire Project	Permittee Designated Biologist	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
76	<u>Excavation Inspection.</u> The Designated Biologist and/or Designated Monitor shall inspect all trenches, open holes, sumps, and other excavations within the Project Area at the beginning and end of each day for trapped animals. All trenches, holes, sumps, and other excavations with sidewalls steeper than a 1:1 (45 degree) slope shall be covered when workers or equipment are not actively working in the excavation, which includes cessation of work overnight, or shall have an escape ramp of earth or a non-slip material with a less than 1:1 (45 degree) slope. To prevent inadvertent entrapment of the Covered Species, the Designated Biologist and/or Designated Monitor shall oversee the covering of all trenches, holes, sumps, or other excavations with sidewalls greater than 1:1 (45 degree) slope of any depth with barrier material (such as hardware cloth) at the close of each working day such that animals are unable to dig or squeeze under the barrier and become entrapped. The outer two feet of excavation cover shall conform to solid ground so that gaps do not occur between the cover and the ground and secured with soil staples or similar means to prevent gaps. The Designated Biologist and/or Designated Monitor shall thoroughly inspect trenches, holes, sumps, or other excavations for Covered Species each morning, end of each day (including weekends and any other non-work days unless temporary exclusion fencing completely surrounds the excavation area), and immediately before they are back filled. Designated Biologist and/or Designated Monitor shall also thoroughly inspect any trenches, holes, sumps, or other excavations that are covered long-term at the beginning of each working day to ensure inadvertent entrapment has not occurred and shall make any necessary repairs to the cover. If any worker discovers a Covered Species has become trapped, Permittee shall cease all Covered Activities in the vicinity and notify the Designated Biologist immediately. Project workers and the Designated Biologist shall allow the Covered Species to escape unimpeded if possible before Covered Activities are allowed to continue, or the Designated Biologist shall capture and relocate SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5.	ITP Condition # 5.11	Entire Project	Designated Biologist / Designated Monitor / Permittee	
77	<u>Pipes and other Structural Entrapment Prevention.</u> Permittee shall ensure that all pipes, hoses, conduit, culverts, or similar materials stockpiled or installed in the Project Area are capped or otherwise enclosed at the ends to prevent entry by Covered Species. Permittee shall not leave any permanent pipes, conduit, electrical cabinets, or similar materials or structures open where Covered Species may enter them and become trapped. The Designated Biologist and/or Designated Monitor shall thoroughly inspect all such materials for Covered Species before they are moved, buried, or capped. If a Covered Species is discovered inside such material, that section of material shall not be moved until the animal has escaped of its own accord. If a Covered Species inside such materials does not vacate of its own accord within a reasonable timeframe, CDFW shall be contacted and Permittee shall get written concurrence prior to proceeding with eviction of the Covered Species.	ITP Condition # 5.12	Entire Project	Permittee Designated Biologist / Designated Monitor	
78	<u>Covered Species Observations.</u> All workers shall inform the Designated Biologist if the Covered Species is seen within or near the Project Area during implementation of any Covered Activity. All work in the vicinity of the Covered Species, which could harm the animal, shall cease until the Covered Species moves from the Project Area of its own accord or the Designated Biologist moves the SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5.	ITP Condition # 5.13	Entire Project	Permittee / Designated Biologist	

	<b>Mitigation Measure</b>	<b>Source</b>	<b>Implementation Schedule</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
79	<u>Covered Species Injury</u> . If a Covered Species is injured or found dead within the vicinity of the Project Area, Permittees shall notify CDFW of the injury or mortality to the Covered Species immediately by email as described in the Condition of Approval 4.11. The Designated Biologist shall immediately take it to a CDFW approved wildlife rehabilitation or veterinary facility following the approved Covered Species Mortality Reduction and Relocation Plans per Conditions of Approval 4.3, 4.4, and 4.5. Permittee shall identify the facility before starting Covered Activities. Permittee shall bear any costs associated with the care or treatment of such injured Covered Species.	ITP Condition # 5.19	Entire Project	Permittee – Designated Biologist	
<b>POST-CONSTRUCTION</b>					
80	<u>Refuse Removal</u> . Upon completion of Covered Activities, Permittee shall remove from the Project Area and properly dispose of all temporary fill and construction refuse, including, but not limited to, broken equipment parts, wrapping material, cords, cables, wire, rope, strapping, twine, buckets, metal or plastic containers, and boxes.	ITP Condition # 3.17	Post-construction	Permittee	
81	<u>Final Mitigation Report</u> . No later than 30 days after completion of all mitigation measures, Permittee shall provide CDFW with a Final Mitigation Report. The Designated Biologist shall prepare the Final Mitigation Report which shall include, at a minimum: (1) a summary of all Weekly Compliance Reports; (2) a copy of the table in this MMRP with notes showing when each of the mitigation measures was implemented; (3) all available information about Project-related incidental take of the Covered Species; (4) information about other Project impacts on the Covered Species; (5) beginning and ending dates of Covered Activities; (6) an assessment of the effectiveness of the ITP's Conditions of Approval in minimizing and fully mitigating Project impacts of the taking on Covered Species; (7) recommendations on how mitigation measures might be changed to more effectively minimize take and mitigate the impacts of future projects on the Covered Species; and (8) any other pertinent information.	ITP Condition # 4.10	Post-construction and after completion of mitigation	Permittee	
82	CDFW accepts the Final Mitigation Report as complete.	ITP Condition # 4.10	Post-construction	CDFW	



**Biologist/Botanist Resume Submittal Cover Sheet****Project Name:** \_\_\_\_\_**ITP Number:** \_\_\_\_\_**\*\*Please submit each resume as a separate file. Use of this cover sheet will expedite CDFW review.****\*\*Please provide the names of up to ten individuals in the order you would like CDFW to review for approval.****Number of resumes included in Transmittal:** \_\_\_\_\_

	<b>Name</b>	<b>Requested Role<sup>1</sup></b>	<b>Covered Species</b>	<b>COA #(s) to implement (Monitor only)<sup>2</sup></b>
1		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
2		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
3		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
4		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
5		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
6		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
7		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
8		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
9		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		
10		<input type="checkbox"/> Designated Biologist <input type="checkbox"/> Designated Monitor <input type="checkbox"/> Both		

**Reviewed and submitted by:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Permittee or Designated Representative

<sup>1</sup> Requested roles correspond to the biological staffing requirements indicated in the Incidental Take Permit (ITP). Roles may include a "Designated Biologist" with the necessary experience to survey for special-status species or a "Designated Monitor" with the necessary experience to monitor construction activities for special-status species. More than one role may be requested for an individual.

<sup>2</sup> Please contact the Regional Representative specified in the ITP with any questions about the Condition of Approval numbers for Designated Monitors.

**\*\*\* Please Note: While use of this form is not mandatory, CDFW strongly recommends completing this form as it will ensure the receipt of adequate information and expedite CDFW review of biologist's qualifications. By submitting your resume for review and approval, you are acknowledging that you have received a copy of the ITP, have read it, and understand the role of a Designated Biologist (DB) and Designated Monitor (DM) and the responsibilities of a DB or DM required by the ITP. \*\*\***

**Name of Biologist & Contact Information**

**Education:** (include year graduated)

**Training/Workshops:** (be prepared to provide copies of certificates upon request; these should be related to the Covered Species (or similar species) in the Incidental Take Permit)

**Certifications:** (please provide any copies of a CDFW Scientific Collecting Permit, MOU, or USFWS 10(a)(1)(A) permit; these should be related to the Covered Species (or similar species) in the Incidental Take Permit)

**Species Name #1: (Example: Tipton Kangaroo Rat)**

Project Name #1: (list the information below for all projects (separately) where the biologist worked with this species)

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Trapping Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows excavated:

Project Name #2:

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Trapping Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows excavated:

Project Name #3: ...

**Species Name #2: (Example: Giant Kangaroo Rat)**

Project Name #1: (list the information below for all projects (separately) where the biologist worked with this species)

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Trapping Hours:

Estimated Monitoring Hours:

Precincts/Burrows Observed:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows Excavated:

Project Name #2:

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Trapping Hours:

Estimated Monitoring Hours:

Precincts/Burrows Observed:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows Excavated:

Project Name #3: ...

**Species Name #3: (Example: San Joaquin Antelope Squirrel)**

Project Name #1: (list the information below for all projects (separately) where biologist worked with this species; projects may be listed more than once under each separate species and please only include projects on the resume that demonstrate experience with the Covered Species in the ITP)

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Survey/Trapping Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows excavated:

Project Name #2:

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Survey/Trapping Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows excavated:

Project Name #3: ...

**Species Name #4: (Example: San Joaquin Kit Fox)**

Project Name #1: (list the information below for all projects (separately) where the biologist worked with this species)

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Survey Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles (if applicable)

Dens observed (list all potential, known, and/or natal):

Dens excavated (list all potential, known, and/or natal):

Project Name #2:

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Survey Hours:

Estimated Monitoring Hours:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles (if applicable)

Dens observed (list all potential, known, and/or natal):

Dens excavated (list all potential, known, and/or natal):

Project Name #3: ...

**Species Name #5: (Example: Other Similar Species only. Examples - other kangaroo rat species/ground squirrel species/kit fox species)**

Project Name #1: (list the information below for all projects (separately) where the biologist worked with this species)

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Trapping Hours:

Estimated Monitoring Hours:

Precincts/Burrows Observed:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows Excavated:

Project Name #2:

Location:

Project date completed: To and from date

Incidental Take Permit (ITP) # (and Other Agency Permits):

Lead biologist Information: Name and contact information (phone number and email address)

Reference: Name and contact information, if different from above (phone number and email address)

Work description:

Estimated Trapping Hours:

Estimated Monitoring Hours:

Precincts/Burrows Observed:

Individuals Observed: # of adults and # of juveniles

Individuals Handled: # of adults and # of juveniles

Burrows Excavated:

Project Name #3: ...

Include any other relevant information to the Covered Species, implementation of Conditions of Approval in the ITP, or general construction monitoring

Attachment 3

**[Financial institution letterhead]**

IRREVOCABLE STANDBY LETTER OF CREDIT  
NO. **[number issued by financial institution]**

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Issue Date: **[date]**

Beneficiary:

California Department of Fish and Wildlife  
Habitat Conservation Planning Branch  
960 Riverside Parkway, Suite 90  
West Sacramento, CA 95605  
Attn: HCPB Mitigation Funds

Amount: U.S. \$**[dollar number]** **[(dollar amount)]**

Expiry: **[Date]** at our counters

Dear Sirs:

1. At the request and on the instruction of our customer, **[name of applicant]** ("Applicant"), we, **[name of financial institution]** ("Issuer"), hereby establish in favor of the beneficiary, the California Department of Fish and Wildlife ("CDFW"), this irrevocable standby letter of credit ("Credit") in the principal sum of U.S. \$**[dollar number]** **[(dollar amount)]** ("Principal Sum").
2. We are informed this Credit is and has been established for the benefit of CDFW pursuant to the terms of the incidental take permit for the **[name of project]** issued by CDFW to the Applicant on **[date]** (No. **[number]**) ("Permit").
3. We are further informed that pursuant to the Permit, the Applicant has agreed to complete certain mitigation requirements in the Permit ("Mitigation Requirements").
4. We are finally informed that this Credit is intended by CDFW and the Applicant to serve as a security device for the performance by the Applicant of the Mitigation Requirements.
5. CDFW shall be entitled to draw upon this Credit only by presentation of a duly executed Certificate for Drawing ("Certificate") in the same form as Attachment A,

which is attached hereto, at our office located at [***name and address of financial institution***].

6. The Certificate shall be completed and signed by an Authorized Representative of CDFW as defined in paragraph 12 below. Presentation by CDFW of a completed Certificate may be made in person or by registered mail, return receipt requested, or by overnight courier.
7. Upon presentation of a duly executed Certificate as above provided, payment shall be made to CDFW, or to the account of CDFW, in immediately available funds, as CDFW shall specify.
8. If a demand for payment does not conform to the terms and conditions of this Credit, we shall give CDFW prompt notice that the demand for payment was not effected in accordance with the terms and conditions of this Credit, state the reasons therefore, and await further instruction.
9. Upon being notified that the demand for payment was not effected in conformity with the Credit, CDFW may correct any such non-conforming demand for payment under the terms and conditions stated herein.
10. All drawings under this Credit shall be paid with our funds. Each drawing honored by us hereunder shall reduce, *pro tanto*, the Principal Sum. By paying to CDFW an amount demanded in accordance herewith, we make no representations as to the correctness of the amount demanded.
11. This Credit will be cancelled upon receipt by us of Certificate of Cancellation, which: (i) shall be in the form of Attachment B, which is attached hereto, and (ii) shall be completed and signed by an Authorized Representative of CDFW, as defined in paragraph 12 below.
12. An Authorized Representative shall mean the Director of CDFW; the General Counsel of CDFW; a Regional Manager of CDFW; or the Branch Manager of CDFW's Habitat Conservation Planning Branch.
13. This Credit shall be automatically extended without amendment for additional periods of one year from the present or any future expiration date hereof, unless at least sixty (60) days prior to any such date, we notify CDFW in writing by registered mail, return receipt requested, or by overnight courier that we elect not to consider this Credit extended for any such period.
14. Communications with respect to this Credit shall be in writing and addressed to us at [***name and address of financial institution***], specifically referring upon such writing to this credit by number. The address for notices with respect to this Credit shall be: (i) for CDFW: Department of Fish and Wildlife, Habitat Conservation Planning Branch, 960 Riverside Parkway, Suite 90, West



Sacramento, CA 95605, Attn: HCPB Mitigation Funds; and (ii) for the Applicant:  
**[name and address of applicant]**.

15. This Credit may not be transferred.
16. This Credit is subject to the International Standby Practices 1998 ("ISP 98"). As to matters not covered by the ISP 98 and to the extent not inconsistent with the ISP 98, this credit shall be governed by and construed in accordance with the laws of the State of California.
17. This Credit shall, if not canceled, expire on **[expiration date]**, or any extended expiration date.
18. We hereby agree with CDFW that documents presented in compliance with the terms of this Credit will be duly honored upon presentation, as specified herein.
19. This Credit sets forth in full the terms of our undertaking. Such undertaking shall not in any way be modified, amended or amplified by reference to any document or instrument referred to herein or in which this Credit is referred to or to which this Credit relates and any such reference shall not be deemed to incorporate herein by reference any document or instrument.

**[Name of financial institution]**

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Telephone: \_\_\_\_\_

ATTACHMENT A

CERTIFICATE FOR DRAWING

**[CDFW Letterhead]**

**[Date]**

**[Name and address of financial institution]**

Re: Irrevocable Standby Letter of Credit No. **[number issued by financial institution]**

The undersigned, a duly Authorized Representative of the California Department of Fish and Wildlife ("CDFW"), as defined in paragraph 12 in the above-referenced standby letter of credit ("Credit"), hereby certifies to the Issuer that:

1. **[Insert one of the following statements:** "In the opinion of CDFW, the Applicant has failed to complete the Mitigation Requirements referenced in paragraph 3 of the Credit." **or** "As set forth in paragraph 13, the Issuer has informed CDFW that the Credit will not be extended and the Applicant has not provided CDFW with an equivalent security approved by CDFW to replace the Credit."]
2. The undersigned is authorized under the terms of the Credit to present this Certificate as the sole means of demanding payment on the Credit.
3. CDFW is therefore making a drawing under the Credit in amount of U.S. \$\_\_\_\_\_.
4. The amount demanded does not exceed the Principal Sum of the Credit.

Therefore, CDFW has executed and delivered this Certificate as of this \_\_\_\_ day of **[month]**, **[year]**.

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

**[Insert one of the following:** "Director" **or** "General Counsel" **or** "Regional Manager, [Name of Regional Office]" **or** "Branch Manager, Habitat Conservation Planning Branch"]

ATTACHMENT B

CERTIFICATE FOR CANCELLATION

[**CDFW Letterhead**]

[**Date**]

[**Name and address of financial institution**]

Re: Irrevocable Standby Letter of Credit No. [**number issued by financial institution**]

The undersigned, a duly Authorized Representative of the California Department of Fish and Wildlife ("CDFW"), as defined in the paragraph 12 in the above-referenced Irrevocable Standby Letter of Credit ("Credit"), hereby certifies to the Issuer that:

1. [**Insert one of the following statements:** "The Applicant has presented documentary evidence of full compliance with the Mitigation Requirements referenced in paragraph 3 of the Credit." **or** "The Applicant has provided CDFW with an equivalent security approved by CDFW to replace the Credit."]
2. CDFW therefore requests the cancellation of the Credit.

Therefore, CDFW has executed and delivered this Certificate for Cancellation as of this \_\_\_\_ day of [**month**], [**year**].

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

\_\_\_\_\_  
[**Insert one of the following:** "Director" **or** "General Counsel" **or** "Regional Manager, [**Name of Regional Office**]" **or** "Branch Manager, Habitat Conservation Planning Branch"]

## Attachment 4

Amended Incidental Take Permit No. 2081-2021-007-04  
(Major Amendment No. 3 with Track Changes)

**1. The Principal Officer and Contact Person has been further amended as follows:**

**Principal Officer:** ~~Jae S. Yi~~**Pourya Arefi**, Project Manager  
**PArefi1@socalgas.com**

**Contact Person:** ~~Molly Peters, 213-200-4581~~**Par Singhaseni, 310-980-9851**  
**psinghas@socalgas.com**

\* \* \*

**2. The Amended ITP Background section has been amended as follows:**

**Amended ITP<sup>3</sup> Background:**

On July 15, 2022, CDFW issued Incidental Take Permit No. 2081-2021-007-04 (ITP) to Southern California Gas Company (Permittee), authorizing take of giant kangaroo rat (*Dipodomys ingens*), Tipton kangaroo rat (*Dipodomys nitratooides nitratooides*), and San Joaquin antelope squirrel (*Ammospermophilus nelsoni*) (collectively, the Covered Species) associated with and incidental to the Gas Pipeline Recoat and Anode Install Project (Project). The Project as described in the ITP as originally issued by CDFW includes repair of two approximately 50-foot sections of high-pressure gas pipeline to prevent pipeline failure at two separate Work Sites, eTS 43141 Line 225 MP 3.28 (L225 Site) and eTS 44051 Line 85 MP 49.9 (L85 Site). The Project also includes the installation of anodes at these Work Sites to provide cathodic protection of the pipelines. In issuing the ITP, CDFW found, among other things, that Permittee's compliance with the Conditions of Approval of the ITP would fully mitigate Project impacts of the taking on the Covered Species and that issuance of the ITP would not jeopardize the continued existence of the Covered Species.

On February 22, 2023, CDFW issued Minor Amendment No. 1 which updated the Permittee's Contact Person and extended the expiration date of the ITP from January 31, 2023, to July 31, 2023, because the Project was delayed by Gas Control Outage Coordination as it could impact customers during months with high demand. CDFW found that this Amendment was a Minor Amendment, as defined in California Code of Regulations, title 14, section 783.6, subdivision (c)(4). Issuance of Minor Amendment No. 1 did not increase the amount of take of the Covered Species compared to the Project as originally approved, nor did Minor Amendment No. 1 increase other Project impacts on the Covered Species (i.e., "impacts of taking" as used in Fish and Game Code Section 2081, subd. (b)(2)). Issuance of Minor Amendment No. 1 did not affect CDFW's previous determination that issuance of the ITP met and was otherwise consistent with the permitting criteria set forth in Fish and Game Code section 2081, subdivisions (b) and (c).

On May 30, 2023, CDFW issued Major Amendment No. 2 which expanded the Work Area at the L225 Site to allow for replacement of an approximately 150-foot segment of pipeline and increased the size of the staging/laydown area surrounding the larger excavation area. Upon

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<sup>3</sup>When this incidental take permit and attachments refer to the "ITP", it means the "Amended ITP" unless the context dictates otherwise.

exposure of a 50-foot segment of pipe for inspection and repair at this location, it was determined the current condition of the pipe segment has approximately 40% wall loss deterioration in sections and an immediate replacement of a segment of approximately 150 feet of L225 is needed. In addition to an expanded L225 footprint, the Permittee requested to add a number of construction activities to the Project Description, equipment, and Covered Activities associated with pipe repair and replacement. Permittee also requested to update the Principal Officer and extend the ITP expiration date by another six months, to January 31, 2024, because work at the L85 Site has been delayed while awaiting Federal Endangered Species Act permitting. CDFW determined that additional Habitat Management Lands were necessary to fully mitigate the additional temporary impacts to Covered Species habitat. CDFW found that this Amendment was a Major Amendment, as defined in California Code of Regulations, title 14, section 783.6, subdivision (c)(5). Issuance of Major Amendment No. 2 increased the amount of take of the Covered Species compared to the Project as originally approved; however, by implementing Conditions of Approval, Major Amendment No. 2 did not increase Project impacts on these species (i.e., "impacts of taking" as used in Fish and Game Code Section 2081, subd. (b)(2)). Issuance of Major Amendment No. 2 did not affect CDFW's previous determination that issuance of the ITP meets and was otherwise consistent with the permitting criteria set forth in Fish and Game Code section 2081, subdivisions (b) and (c).

On December 21, 2023, CDFW received a request from the Permittee for a major amendment to the ITP, as amended, and the corresponding fee payment on December 29, 2023. Prior to issuance of this major amendment, the Permittee needed to resolve a number of non-compliance issues that were documented in a Notice of Non-Compliance Letter dated September 26, 2023. CDFW received the Permittee's resolution of the non-compliance issues on September 25, 2024. CDFW accepted the Permittee's non-compliance resolution on November 15, 2024. While working to resolve the non-compliance issues, the Permittee requested additional changes to the ITP. The revised request includes: updating the Principal Officer and Contact Person on the ITP, extending the expiration date from January 31, 2024, to January 31, 2026; repairing and remediating erosion and sinkholes that formed at the L225 site; expanding L85 Work Area 5 by 1.068 acres; adding San Joaquin kit fox (*Vulpes macrotis mutica*; SJKF) as a Covered Species; and revising Conditions of Approval to allow flexibility for work hours, temporary lighting, parking, and equipment fueling. CDFW finds that this Amendment is a Major Amendment, as defined in California Code of Regulations, title 14, section 783.6, subdivision (c)(5). Issuance of this Major Amendment No. 3 will the amount of take of the Covered Species compared to the Project as originally approved; however, by implementing Conditions of Approval, it is not expected that this Amendment will increase Project impacts on these species (i.e., "impacts of taking" as used in Fish and Game Code Section 2081, subd. (b)(2)). Issuance Major Amendment No. 3 does not affect CDFW's previous determination that issuance of the ITP meets and is otherwise consistent with the permitting criteria set forth in Fish and Game Code section 2081, subdivisions (b) and (c).

CDFW now reissues this ITP including the revised provisions in all previous and this third amendment (collectively, the Amended ITP). The Amended ITP includes all the operative provisions as of the issue date of this Amended ITP. Attachment 4 to this Amended ITP shows the specific red-line changes made to the ITP as a result of this major amendment (Amendment No. 3). Figure 2 is replaced with Figure 2a to depict the expanded L85 Work Area.

**3. The Effective Date and Expiration Date of this ITP section has been further amended as follows:**

**Effective Date and Expiration Date of this ITP:**

This ITP shall become effective when signed by all parties and received by CDFW as described in the Notices section of this ITP. Unless renewed by CDFW, this ITP and its authorization to take the Covered Species shall expire on **January 31, 20242026**.

Notwithstanding the expiration date on the take authorization provided by this ITP, Permittee's obligations pursuant to this ITP do not end until CDFW accepts as complete the Permittee's Final Mitigation Report required by Condition of Approval 4.10 of this ITP.

**4. The Project Location section has been further amended as follows:**

**Project Location:**

The Southern California Gas Company Gas Pipeline Recoat and Anode Install Project (Project) is located within Kern County, California. The Project is comprised of two separate Work Sites, L225 and L85.

The L225 Site is located approximately one mile south of State Route 119, and the approximate center is located at 35.251245° N and -119.264576° W on private land owned by California Resources Corporation (Figure 1). The L225 Site occurs within the Tupman United States Geological Survey (USGS) 7.5-minute topographic quadrangle on Assessor's Parcel Numbers (APNs) 184-012-051, and is within Township 31 South, Range 25 East, and Section 11, Mount Diablo baseline meridian (Figure 22a).

The L85 Site is located approximately one mile east of State Route 33, and the approximate center is located at 35.422375° N and -119.660266° W on private land owned by Aera Energy LLC-California Resources Corporation and Chevron Corporation (Figure 1). The L85 Site occurs within the Belridge USGS 7.5-minute topographic quadrangle on APNs 099-230-49 and 098-113-13, and is within Township 29 South, Range 21 and 22 East, and Sections 12 and 07, Mount Diablo baseline meridian (Figure 3a).

**5. The Project Description section has been further amended as follows:**

**Project Description:**

\* \* \*

Prior to excavation activities, approximately three to four potholes will be dug by hand to identify the location of the pipeline. Excavation of up to approximately 190-foot long by 40-foot wide and approximately 15-foot deep trench will be required to expose the underground gas linelines. Approximately 4,3608,444 cubic yards of excavated soil (spoils) will be stockpiled adjacent to the trenchtrenches within the designated staging areaareas (Figure 22a and Figure 3a). Once exposed, the pipelinepipelines will be abated, removing asbestos-containing material and the pipeline surfacesurfaces will be cleaned of dirt and debris to prepare the surface for recoating.

Once cleaned of all coating, dirt, and debris, the integrity of the pipepipes will be inspected both visually and using wave and b-scan inspection equipment, portable phased-array

ultrasonic testing, and/or portable hand and pipe latching equipment. If anomalies are detected during inspection, they must be immediately remedied by repairs or replacements. Depending on the severity, minor anomalies may be remedied by installing soft padding around the affected area using hand tools. Moderate anomalies that cannot be remedied via soft padding will be remediated by installing a patch called a wedding band around the anomaly. This repair entails a metal sleeve of greater thickness but the same diameter and grade as the existing pipe being placed over the anomaly and welded into place.

If severe anomalies are detected, the section of pipeline up to 150 feet may need to be replaced which entails the affected pipe segment being cut and removed from the trench and a replacement segment of the same grade and thickness welded into place. If severe anomalies occur beyond 190 feet, trenching will continue as needed until the extent of the defined Work Site boundary is reached. Additionally, if abandoned pipe(s) or other materials are discovered during excavation activities, they will be removed and disposed of accordingly. Replacement will require that the pipeline is isolated and cross-compressed to remove gas from the replacement segment ~~and temporarily allow for continued natural gas transmission around the replacement section with a 200-foot pipe bypass and installation of two bypass stopple fittings utilizing two stopple fittings.~~ All field welding will be performed by qualified welders in accordance with the American Petroleum Institute Standard 1104 (Welding Pipe Lines and Related Facilities) and Title 49, Part 192 of the Code of Federal Regulations.

\* \* \*

The L85 Site includes an approximately ~~50~~190-foot section of 26-inch diameter high-pressure gas line, with a staging/laydown area of approximately ~~9,930~~49,943 square feet surrounding the approximately ~~1,050~~7,600 square foot excavation area. The staging/laydown area and excavation area make up the ~~10,980~~57,543 square foot (~~0.253-acre~~1.321 acres) work area (Figure 22a). Minor vegetation trimming/removal may occur in the disturbance area. The site will be accessed via existing paved and dirt roads which are not expected to require grading or improvements.

The L225 Site includes an approximately 190-foot section of 34-inch diameter high-pressure gas line, with a staging/laydown area of approximately 88,033 square feet surrounding the approximately 7,600 square foot excavation area. The staging/laydown area and excavation area make up the 95,633 square foot (2.195 acres) work area (Figure 3a). Any erosion or sinkholes that have formed or are forming will be repaired by over-excavating the area and backfilling with native or clean, imported fill and compacted. The site will be accessed via existing paved and dirt roads which are not expected to require grading or improvements.

The Project will occur within an area of approximately ~~2.44~~83.516 acres for the two pipeline work areas (Work Areas), of which ~~0.308~~757 acre is disturbed/developed (existing unvegetated, compacted dirt roads) and ~~2.14~~759 acres is valley saltbush scrub/non-native grassland. Project activities at each Work Area are anticipated to take approximately ~~3 months to complete~~5 months to complete. Nightwork may be needed for welding, pipeline tie-in, and cross compression activities. Project activities at each Work Area will be complete following post construction site restoration, including returning the temporary disturbance area to pre-project condition. Equipment for the Project is anticipated to include a tracked excavator, loader, water truck, reach lift/forklift, crane, welding truck, towable air compressor,



portable restrooms, job site containers/trailers (as needed), two baker tanks, two side booms, and approximately six (6) work trucks.

**6. The Covered Species Subject to Take Authorization Provided by this ITP section has been amended as follows:**

**Covered Species Subject to Take Authorization Provided by this ITP:**

This ITP covers the following species:

<u>Name</u>	<u>CESA Status</u> <sup>4</sup>
1. San Joaquin antelope squirrel ( <i>Ammospermophilis <del>nelsoni</del></i> ) (SJAS)	Threatened <sup>5</sup>
2. Tipton kangaroo rat ( <i>Dipodomys nitratoide nitratoide</i> ) (TKR)	Endangered <sup>6</sup>
3. Giant kangaroo rat ( <i>Dipodomys ingens</i> ) (GKR)	Endangered <sup>7</sup>
<u>4. San Joaquin kit fox (<i>Vulpes macrotis mutica</i>) (SJKF)</u>	<u>Threatened<sup>8</sup></u>

These species and only these species are the “Covered Species” for the purposes of this ITP.

**7. The Impact of the Taking on Covered Species section has been amended as follows:**

**Impacts of the Taking on Covered Species:**

\* \* \*

The Project is expected to cause the temporary loss of 2.~~447~~59 acres of habitat for the Covered Species. Impacts of the authorized taking also include adverse impacts to the Covered Species related to temporal losses, increased habitat fragmentation and edge effects, and the Project’s incremental contribution to cumulative impacts (indirect impacts). These impacts include: stress resulting from noise and vibrations from ground disturbance, equipment operation, and traffic; stress resulting from capture and relocation; increased exposure or stress from disorientation; introduction or spread of invasive species; and long-term effects due to displacement from preferred habitat, loss of foraging habitat, changes in drainage patterns that favor different vegetative growth, increased pollution, increased competition for food and space, loss of burrowing habitat used for shelter, reproduction, and escape cover, and increased vulnerability to disease and predation. Individuals displaced due to habitat loss and degradation may be unable to survive in adjacent areas if these areas are at carrying capacity or are unsuitable for colonization. Authorized take of the Covered Species is expected to occur throughout the entire Project Area.

\* \* \*

<sup>4</sup>Under CESA, a species may be on the list of endangered species, the list of threatened species, or the list of candidate species.  
<sup>5</sup>See Cal. Code Regs. tit. 14 § 670.5, subd. (b)(6)(B).  
<sup>6</sup>See ~~Cal. Code Regs. tit. 14 § 670.5, Id.~~, subd. (a)(6)(D)).  
<sup>7</sup>See ~~Cal. Code Regs. tit. 14 § 670.5, Id.~~, subd. (a)(6)(C).  
<sup>8</sup>See ~~Id., subd. (b)(6)(E).~~



**8. Condition of Approval 3.2 has been amended as follows:**

- 3.2.** Designated Biologist(s) and Designated Monitor(s). Permittee shall submit to CDFW in writing the name, qualifications, business address, and contact information of the Designated Biologist(s) and Designated Monitor(s) using the Biologist Resume Form (Attachment 2) or another format containing the same information before starting Covered Activities. Permittee shall ensure that the Designated Biologist(s) and ~~Biological~~Designated Monitor(s) are knowledgeable and experienced in the biology, ~~and~~ natural history, ~~collecting and handling~~ of the Covered Species. Permittee shall also ensure the Designated Biologist's experience with: collecting, handling, and excavating burrows to minimize mortality of SJAS, TKR, and GKR and monitoring, evicting, and excavating dens being actively used by SJKF. The Designated Biologist(s) and ~~Biological~~Designated Monitor(s) shall be responsible for monitoring Covered Activities to help minimize and fully mitigate or avoid the incidental take of individual Covered Species and to minimize disturbance of Covered Species' habitat. Designated Monitor responsibilities will be restricted to a specific set of Conditions of Approval ~~and requested by the Permittee at the time of resume submittal.~~ Designated Monitor(s) may assist the Designated Biologist in compliance monitoring under direction of the Designated Biologist. Permittee shall obtain CDFW approval of the Designated Biologist(s) and Designated Monitor(s) in writing before starting Covered Activities and shall also obtain approval in advance, in writing, if the Designated Biologist(s) or Designated Monitor(s) must be changed.

**9. Condition of Approval 3.4 has been amended as follows:**

- 3.4.** Education Program. Permittee shall conduct an education program for all persons employed or otherwise working in the Project Area before performing any work. The program shall consist of a presentation from the Designated Biologist that includes a discussion of the biology and general behavior of the Covered Species, information about the distribution and habitat needs of the Covered Species, sensitivity of the Covered Species to human activities, its status pursuant to CESA including legal protection, recovery efforts, penalties for violations and Project-specific protective measures described in this ITP. Permittee shall prepare and distribute wallet-sized cards or a fact sheet handout containing this information for workers to carry in the Project Area. Permittee shall provide interpretation for non-English speaking workers, and the same instruction shall be provided to any new workers before they are authorized to perform work in the Project Area. Upon completion of the program, employees shall sign a form stating they attended the program and understand all protection measures. Permittee shall provide CDFW with a copy of all education program materials before starting Covered Activities and copies of the signed acknowledgment forms as described in Condition of Approval 4.8.

**10. Condition of Approval 4.2 has been amended as follows:**

- 4.2. Notification of Non-compliance.** The Designated Representative or Designated Biologist shall ~~immediately~~ notify CDFW by phone or email within 4 hours of the discovery if the Permittee is not in compliance with any Condition of Approval of this ITP, including but not limited to any actual or anticipated failure to implement measures within the time periods indicated in this ITP and/or the MMRP. The Designated Representative or Designated Biologist shall follow up within 24 hours with a written report to CDFW describing, in detail, any non-compliance with this ITP and suggested measures to remedy the situation.

**11. Condition of Approval 4.6 has been amended as follows:**

- 4.6. Compliance Monitoring.** The Designated Biologist shall be on-site daily to conduct compliance monitoring when Covered Activities occur. The Designated Biologist shall conduct daily compliance inspections during active construction and compliance inspections a minimum of once per week during periods of inactivity. The Designated Biologist shall conduct compliance inspections to:

- (1) minimize incidental take of the Covered Species;
- (2) prevent unlawful take of species;
- (3) check for compliance with all measures of this ITP;
- (4) check all exclusion zones; and
- (5) ensure that signs, stakes, and fencing are intact, and that Covered Activities are only occurring in the Project Area.

In addition to daily compliance inspections required by this Condition of Approval, the Designated Representative and Designated Biologist(s) shall ensure that all other inspections required by this ITP are conducted at the frequencies (i.e., interval, time(s) of day, following weather events, etc.) required by other specific Conditions of Approval. The Designated Representative or Designated Biologist shall prepare daily written observation and inspection records summarizing oversight activities and compliance inspections, observations of Covered Species and their sign, survey results, and monitoring activities required by this ITP.

**12. Condition of Approval 4.8 has been amended as follows:**

- 4.8. Weekly Compliance Report.** The Designated Representative or Designated Biologist shall compile the observation and inspection records identified in Condition of Approval 4.6 and 4.7 into a Weekly Compliance Report and submit it to CDFW along with a copy of the MMRP table with notes showing the current implementation status of each mitigation measure. Weekly Compliance Reports shall also include an accounting of the number of acres that have been permanently and temporarily disturbed by the Project within the Project Area, both for the prior week, and the total since ITP issuance, if

applicable; the number of acres of habitat disturbance anticipated to occur in the Project Area during the coming week, if applicable; a summary of all pre-activity surveys and compliance monitoring conducted during the previous week; and the activities authorized under the Covered Activities which occurred during the previous week. Weekly Compliance Reports shall be submitted via e-mail to CDFW's Regional Representative, Regional CESA Program, and Headquarters CESA Program no later than the first Monday following commencement of Covered Activities and each Monday thereafter. At the time of this ITP's approval, the CDFW Regional Representative is ~~Kristie Stein~~Shaelyn Latronica (~~Kristie.Stein@wildlife.ca.gov~~Shaelyn.Latronica@wildlife.ca.gov), Regional CESA Program email is ~~R4CESA@wildlife.ca.gov~~, and Headquarters CESA Program email is ~~CESA@wildlife.ca.gov~~. CDFW may at any time increase the timing and number of compliance inspections and reports required under this provision depending upon the results of previous compliance inspections. If CDFW determines the reporting schedule must be changed, CDFW will notify Permittee in writing of the new reporting schedule.

**13. Condition of Approval 4.11 has been amended as follows:**

- 4.11** Notification of Take or Injury. Permittee shall immediately notify the Designated Biologist if a Covered Species is taken or injured by a Project-related activity, or if a Covered Species is otherwise found dead or injured within the vicinity of the Project. The Designated Biologist or Designated Representative shall provide initial notification to CDFW by calling the Regional Office at (559) 243-4005- and by email to the CDFW's Regional Office (R4CESA@wildlife.ca.gov) and CDFW Representative (Shaelyn.Latronica@wildlife.ca.gov). The initial notification to CDFW shall include information regarding the location, species, and number of animals taken or injured and the ITP Number. Following initial notification, Permittee shall send CDFW a written report within two calendar days. The report shall include the date and time of the finding or incident, location of the animal or carcass, and if possible, provide a photograph, explanation as to cause of take or injury, and any other pertinent information.

**14. Condition of Approval 5.2 has been amended as follows:**

- 5.2.** Work Hours. Permittee shall confine all surface- or vegetation-disturbing activities to daylight hours (sunrise to sunset)- except activities occurring overnight that are specifically described in the Project Description section of this ITP. Permittee shall ensure that all vehicle traffic necessary during nighttime hours shall be conducted with extra caution to minimize impacts to nocturnal species. Nightwork may be permitted with written authorization from CDFW (e-mail will suffice)- if any additional nightwork shall occur.

**15. Condition of Approval 5.3 has been amended as follows:**

- 5.3** Lighting. Permittee shall not use temporary, fixed, exterior lighting, including motion-triggered security lighting, that casts light on Covered Species habitat

beyond the footprint of the Project Area between sunset and sunrise except the use of temporary light towers for activities occurring overnight specifically described in the Project Description section of this ITP, or unless authorized in writing from CDFW. Temporary Permittee shall ensure that all temporary, exterior, fixed lighting at used within the Project Area shall be is turned on only when people are present and does not cast light on Covered Species habitat beyond the Project Area footprint. Permittee shall not install permanent lighting at the Project Area.

**16. Condition of Approval 5.5 has been amended as follows:**

**5.5. Equipment Fueling.** Permittee shall ensure that all equipment fueling and equipment maintenance occur at least 100 feet from Covered Species burrows, 25 feet from Covered Species burrows and dens, unless fueling and maintenance occurs within the fenced Work Areas where burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30 and 5.34 below, or approved in advance in writing by CDFW. Permittee shall ensure that sufficient spill containment and cleanup equipment shall be present at all fueling locations. Permittee shall request written authorization from CDFW (email will suffice) if any additional fueling and maintenance locations are necessary outside of the Work Area.

**17. Condition of Approval 5.6 has been amended as follows:**

**5.6. Vehicle Parking.** Permittee shall not allow vehicles to park on top of Covered Species burrows, except and dens. Permittee shall restrict parking to within designated staging and parking areas for which burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30, and 5.34. Vehicles left overnight shall be located at least 50 feet from all Covered Species dens or and burrows unless parking occurs within the fenced Work Areas where vegetation has been removed and burrows and dens have been excavated per Conditions of Approval 5.21, 5.25, 5.30, and 5.34, or approved in advance in writing by CDFW.

**18. Condition of Approval 5.7 has been amended as follows:**

**5.7 Vehicle and Equipment Inspection.** Workers shall inspect for Covered Species under vehicles and equipment every time before the vehicles and equipment are moved. If a Covered Species is present, the worker shall notify the Designated Biologist and wait for the Covered Species to move unimpeded to a safe location. Alternatively, the Designated Biologist shall move the Covered Species SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans as required in Conditions of Approval 4.3, 4.4, and 4.5 above.

**19. Condition of Approval 5.10 has been amended as follows:**

**5.10 Materials Inspection.** Workers shall thoroughly inspect all construction pipe, culverts, or other similar structures with a diameter of one inch or greater that are stored for one or more overnight periods for the Covered Species before

the structure is subsequently moved, buried, or capped. If during inspection, a Covered Species is discovered inside a pipe, culvert, or similar structure, workers shall notify the Designated Biologist and wait for the Covered Species to move unimpeded to a safe location before moving and utilizing the structure. Alternatively, the Designated Biologist shall move ~~the Covered Species~~ SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5 above.

**20. Condition of Approval 5.11 has been amended as follows:**

**5.11. Excavation Inspection.** The Designated Biologist and/or Designated Monitor shall inspect all trenches, open holes, sumps, and other excavations within the Project Area at the beginning and end of each day for trapped animals. All trenches, holes, sumps, and other excavations with sidewalls steeper than a 1:1 (45 degree) slope shall be covered when workers or equipment are not actively working in the excavation, which includes cessation of work overnight, or shall have an escape ramp of earth or a non-slip material with a less than 1:1 (45 degree) slope. To prevent inadvertent entrapment of the Covered Species, the Designated Biologist and/or Designated Monitor shall oversee the covering of all trenches, holes, sumps, or other excavations with sidewalls greater than 1:1 (45 degree) slope of any depth with barrier material (such as hardware cloth) at the close of each working day such that animals are unable to dig or squeeze under the barrier and become entrapped. The outer two feet of excavation cover shall conform to solid ground so that gaps do not occur between the cover and the ground and secured with soil staples or similar means to prevent gaps. The Designated Biologist and/or Designated Monitor shall thoroughly inspect trenches, holes, sumps, or other excavations for Covered Species each morning, end of each day (including weekends and any other non-work days unless temporary exclusion fencing completely surrounds the excavation area), and immediately before they are back-filled. Designated Biologist and/or Designated Monitor shall also thoroughly inspect any trenches, holes, sumps, or other excavations that are covered long-term at the beginning of each working day to ensure inadvertent entrapment has not occurred and shall make any necessary repairs to the cover. If any worker discovers a Covered Species has become trapped, Permittee shall cease all Covered Activities in the vicinity and notify the Designated Biologist immediately. Project workers and the Designated Biologist shall allow the Covered Species to escape unimpeded if possible before Covered Activities are allowed to continue, or the Designated Biologist shall capture and relocate the ~~Covered Species~~ SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5 above.

**21. Condition of Approval 5.13 has been amended as follows:**

**5.13. Covered Species Observations.** All workers shall inform the Designated Biologist if the Covered Species is seen within or near the Project Area during implementation of any Covered Activity. All work in the vicinity of the Covered



Species, which could harm the animal, shall cease until the Covered Species moves from the Project Area of its own accord or the Designated Biologist moves the Covered Species SJAS, TKR, and GKR out of harm's way outside of the Project Area and in compliance with the approved Covered Species Mortality Reduction and Relocation Plans required in Conditions of Approval 4.3, 4.4, and 4.5 above.

**22. Condition of Approval 5.14 has been amended as follows:**

**5.14. Delineation of Environmentally Sensitive Areas.** Permittee shall clearly delineate Environmentally Sensitive Areas in the Project Area prior to the start of ground-disturbing activities. Environmentally Sensitive Areas are defined as all areas that warrant special protection and work exclusion zones, as defined in Conditions of Approval 5.20, 5.22, 5.26, and 5.2632 below. Environmentally Sensitive Areas shall be marked with brightly-colored markers visible to workers with posted signs, posting stakes, flags, and/or rope or cord, and place fencing as necessary to minimize the disturbance of Covered Species. Permittee shall maintain Environmentally Sensitive Areas in good repair for the duration of the Covered Activities in the Project Area. No Covered Activities shall be allowed within Environmentally Sensitive Areas except per Conditions of Approval 5.21, 5.23, 5.25, 5.27, 5.30, 5.33, and 5.3034.

**23. Condition of Approval 5.16.4 has been added:**

**5.16.4. SJKF Surveys.** The Designated Biologist(s) shall perform Pre-Activity Surveys for SJKF and SJKF dens (potential, known, atypical, and natal dens) no more than seven (7) calendar days prior to beginning Covered Activities in each Work Area. Pre-Activity Surveys shall include each Work Area and 50 feet beyond the limits of each Work Area to identify all potential SJKF dens as well as a buffer zone of 500 feet beyond the limits of the Work Area (where feasible) to identify SJKF dens. If the Designated Biologist identifies any SJKF dens, the den(s) shall be monitored for at least two (2) consecutive nights with tracking medium and wildlife camera to determine the current use of the den(s). Permittee shall notify the United States Fish and Wildlife Service (USFWS) and CDFW within 24 hours via e-mail if any SJKF-occupied atypical dens, known dens, or natal dens (occupied or unoccupied) are discovered within or immediately adjacent to the Work Area. Permittee shall provide the Pre-Activity Survey results in a written report to CDFW prior to beginning Covered Activities. The Pre-Activity Survey report shall include, but not be limited to, methodology, date and time of survey, the number, type, and status of SJKF dens, a discussion and map of the locations of each SJKF den identified.

**24. Condition of Approval 5.17 has been amended as follows:**

**5.17. Temporary Exclusion Fencing.** Permittee shall install trenchless Temporary Exclusion Fencing around the perimeter of each Work Area within the Project Area following surveys to flag all potential TKR, SJAS, and GKR burrows and

SJKF dens in accordance with Condition of Approval 5.16 above and immediately prior to TKR and GKR relocation in accordance with Condition of Approval 5.23 and 5.27 below. Fencing shall only be installed around locations within each Work Area where excavating/trenching will occur and any Staging Area that is not located entirely within an existing roadway. Permittee shall submit for review and approval in writing by CDFW an Exclusion Fencing Plan which shall include, but not be limited to, the fencing material, design, installation methods, access gates, and a map of installation locations prior to installing fencing.

**25. Condition of Approval 5.19 has been amended as follows:**

**5.19. Covered Species Injury.** If a Covered Species is injured ~~as a result or found dead within the vicinity of the Project-related activities, the Area, Permittees shall notify CDFW of the injury or mortality to the Covered Species immediately by email as described in the Condition of Approval 4.11. The~~ Designated Biologist shall immediately take it to a CDFW approved wildlife rehabilitation or veterinary facility ~~following the approved Covered Species Mortality Reduction and Relocation Plans per Conditions of Approval 4.3, 4.4, and 4.5.~~ Permittee shall identify the facility before starting Covered Activities. Permittee shall bear any costs associated with the care or treatment of such injured Covered Species. ~~The Permittee shall notify CDFW of the injury to the Covered Species immediately by telephone and e-mail followed by a written incident report as described in Condition of Approval 4.11. Notification shall include the name of the facility where the animal was taken.~~

**26. SJKF-Specific Measures: Condition of Approval 5.32 has been added:**

**5.32. SJKF Den Avoidance.** Permittee shall establish no-disturbance buffer zones around potential, known and natal SJKF dens according to the following guidelines:

- If a potential SJKF den (any subterranean hole, three inches or larger, for which no evidence is present to conclude that the den is being used or has been used by a SJKF) is discovered, Permittee shall establish a minimum 50-foot no-disturbance buffer around the den.
- If a known den (one that shows evidence of current use or was used in the past) is discovered, Permittee shall establish a minimum no-disturbance buffer of at least 100 feet around the den.
- If a natal den (den in which SJKF young are reared, typically with two or more openings) is discovered, Permittee shall establish a no-disturbance buffer of at least 200 feet around the den. Natal dens with pups shall have a no-disturbance buffer of at least 500 feet.
- Permittee shall notify the USFWS and CDFW's Regional Representative immediately via phone and email if any SJKF-occupied atypical dens, known dens, or natal dens are discovered within or immediately adjacent

to the Work Area. An established SJKF den no-disturbance buffer may be removed once the SJKF is no longer using the area.

**27. SJKF-Specific Measures: Condition of Approval 5.33 has been added:**

**5.33.** SJKF Den Blockage. Permittee shall not destroy SJKF dens unless they are in an area of direct ground disturbance (e.g., excavation/trench area) or their location poses a risk of direct harm to SJKF individuals. Dens in areas of temporary disturbance shall remain intact and the Designated Biologist shall block the entrance by installing an object (e.g., sandbags) approved in advance in writing by CDFW to prevent SJKF from entering and utilizing the den during Covered Activities. The Designated Biologist shall remove the object immediately after Covered Activities are completed in the Work Area when the Designated Biologist has determined that potential resumed use of the den will not result in harm to SJKF. Permittee shall not destroy or modify dens that are beyond the direct footprint of ground disturbance to preempt their use and den buffer establishment.

**28. SJKF-Specific Measures: Condition of Approval 5.34 has been added.**

**5.34.** SJKF Den Excavation. The Designated Biologist or individuals under direct supervision of the Designated Biologist shall excavate potential or known dens that exhibit signs of SJKF use or characteristics suggestive of SJKF dens (including dens in natural substrate and in/under man-made structures) that cannot be avoided as described above only after the Designated Biologist has determined that SJKF is not currently present after 2 consecutive nights of monitoring with tracking medium and wildlife camera.

Potential SJKF dens without any signs of SJKF use or characteristics suggesting it is a SJKF den may be excavated under the direct supervision of the Designated Biologist without advance tracking or camera monitoring. Natal dens shall not be excavated until the pups and adults have vacated the den and then only after concurrence from CDFW.

If the excavation process reveals evidence of current use by SJKF, then den excavation shall cease immediately and tracking or camera monitoring as described above shall be conducted/resumed. Excavation of the den shall only resume when, in the judgment of the Designated Biologist, the SJKF has escaped from the partially excavated den. SJKF dens shall be carefully excavated until it is clear no individuals of SJKF are inside.

Dens to be destroyed shall be fully excavated, filled with dirt and compacted to ensure that SJKF cannot reenter or use the den during the period that Covered Activities would occur in the Work Area. If an individual SJKF does not vacate a den within the Work Area within a reasonable timeframe, Permittee shall consult with CDFW to obtain written guidance prior to proceeding with den destruction.



**29. Condition of Approval 6 has been amended as follows:**

**6. Habitat Management Land Acquisition:**

Protocol-level trapping efforts were conducted in the Project Area in 2020. At the L225 Site, TKR were captured. Suitable habitat is also present at the site for GKR, SJAS, and SJASSJKF. Conditions at the L225 Site include Valley (Alkali) Sink Scrub habitat including low herbaceous and scrub vegetation with scattered open areas. At the L85 Site, an individual GKR was captured and SJAS were visually detected. Suitable habitat is also present at the site for SJKF. Conditions at the L85 Site include maintained gravel access roads surrounded by non-native annual grasslands with scattered ~~saltbrush~~saltbush (*Atriplex polycarpa*). The L85 Site is outside of the expected range of TKR.

As a result of these findings, CDFW has determined that permanent protection and perpetual management of compensatory habitat is necessary and required pursuant to CESA to fully mitigate Project-related impacts of the taking on the Covered Species that will result from implementation of the Covered Activities. This determination is based on factors including an assessment of the importance of the habitat in the Project Area, the extent to which the Covered Activities will impact the habitat, and CDFW's estimate of the protected acreage required to provide for adequate compensation.

To meet this requirement, the Permittee shall ~~either purchase a total of 5.07~~ provide for the permanent protection and perpetual management of 5.75 acres of compensatory habitat. Permittee shall:

- Purchase 3 Covered Species ~~credits from conservation credits from the Kern Water Bank Authority and assign and deduct 2.07 Covered Species credits from its balance of conservation credits at Coles Levee Ecosystem Preserve, for a total of 5.07 credits pursuant to Conditions of Approval 6.1, below, before starting Covered Activities;~~

**AND**

- Provide an additional 0.68 acre of compensatory habitat for GKR, SJAS, and SJKF. Permittee shall either purchase an additional 0.68 credits for GKR, SJAS, and SJKF from a CDFW--approved ~~mitigation or~~ conservation bank pursuant to ~~Condition~~Conditions of Approval 6.2 ~~below~~1 OR shall provide for ~~both~~ the permanent protection and perpetual management of ~~5.07 acres~~0.68 acre of Habitat Management (HM) lands for GKR, SJAS, and SJKF pursuant to Condition of Approval 6.3~~below~~2 and the calculation and deposit of the management funds pursuant to Condition of Approval 6.4~~below~~. Purchase3.

Permittee must provide 5.07 acres of compensatory habitat in the form of Covered Species credits OR permanent protection and funding for perpetual management of HM lands must be complete before starting Covered Activities. In addition, Permittee must provide 0.68 acres of compensatory habitat for

GKR, SJAS, and SJKF before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3 (Figure 2a), or within 18 months of the effective date of this ITP if Security is provided pursuant to Condition of Approval 7 ~~below~~ for all uncompleted obligations.

**30. Condition of Approval 6.1 has been amended as follows:**

- ~~**6.1. Cost Estimates.** For the purposes of determining the Security amount, CDFW has estimated the cost sufficient for CDFW or its contractors to complete acquisition, protection, and perpetual management of the HM lands as follows:~~
- ~~6.1.1. Land acquisition costs for HM lands identified in Condition of Approval 6.3 below, estimated at \$10,711.41/acre for 1 acre: **\$10,711.41**. Land acquisitions costs are estimated using local fair market current value per acre for lands with habitat values meeting mitigation requirements;~~
  - ~~6.1.2. All other costs necessary to review and acquire the land in fee title and record a conservation easement as described in Condition of Approval 6.3.1 and 6.3.2 below: **\$10,781.93**;~~
  - ~~6.1.3. Start-up costs for HM lands, including initial site protection and enhancement costs as described in Condition of Approval 6.3.6 below, estimated at **\$10,406.90**;~~
  - ~~6.1.4. Interim management period funding as described in Condition of Approval 9.3.7 below, estimated at **\$33,460.02**;~~
  - ~~6.1.5. Long-term management funding as described in Condition of Approval 6.4 below, estimated at \$241,546.43/acre for 1 acre: **\$241,546.43**. Long-term management funding is estimated initially for the purpose of providing Security to ensure implementation of HM lands management.~~
  - ~~6.1.6. Related transaction fees including but not limited to account set-up fees, administrative fees, title and documentation review and related title transactions, expenses incurred from other state agency reviews, and overhead related to transfer of HM lands to CDFW as described in Condition of Approval 6.5, estimated at **\$12,000.00**.~~
- 6.1. Covered Species Credits.** If the Permittee ~~elects to~~shall purchase 3 Covered Species conservation credits to complete compensatory mitigation obligations, then Permittee shall purchase 5 from the Kern Water Bank Authority and assign and deduct 2.07 acres of Covered Species credits from a CDFW-approved mitigation or its balance of conservation bank credits at Coles Levee Ecosystem Preserve, for a total of **5.07 credits** prior to initiating Covered Activities, or no later than, Permittee shall submit to CDFW a copy of the Bill of Sale(s), Payment Receipt(s), and a credit ledger or similar document verifying that Covered Species credits have been assigned to this ITP prior to initiating Covered Activities.

In addition, if the Permittee elects to provide Covered Species credits, Permittee shall purchase an additional **0.68 conservation credits** for GKR, SJAS, and SJKF at a CDFW-approved conservation bank before starting Covered Activities at the L85 Work Area expanded with Amendment No. 3, or within 18 months ~~from~~ of the ~~issuance~~ effective date of this ITP if Security is provided pursuant to Condition of Approval 7 ~~below~~ for all uncompleted obligations. Prior to purchase of Covered Species credits, Permittee shall obtain CDFW approval to ensure the mitigation or conservation bank is appropriate to compensate for the impacts of ~~the Project. Permittee shall submit to CDFW a copy of the Bill of Sale(s) and Payment Receipt prior to initiating Covered Activities or within 18 months from issuance of this ITP if Security is provided this Project.~~

**31. Condition of Approval 6.2.6 has been amended as follows:**

6.2.6. Start-up Activities. Provide for the implementation of start-up activities, including the initial site protection and enhancement of HM lands, once the HM lands have been approved by CDFW. Start-up activities include, at a minimum: (1) preparing a final management plan for CDFW approval (see [\(https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=137386&inline\)https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=137386&inline\)](https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=137386&inline)https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=137386&inline))) (2) conducting a baseline biological assessment and land survey report within four months of recording or transfer; (3) developing and transferring Geographic Information Systems (GIS) data if applicable; (4) establishing initial fencing; (5) conducting litter removal; (6) conducting initial habitat restoration or enhancement, if applicable; and (7) installing signage.

**32. Condition of Approval 7.1 has been amended as follows:**

7.1. Security Amount. The Security shall be in the amount of **~~\$318,906.70~~40,375.00**. This amount is ~~determined by CDFW~~ based on ~~the~~ cost estimates identified in ~~Condition by CDFW for purchase of Approval 6.1 above, sufficient for one Covered Species conservation bank credits (minimum purchase amount) from a CDFW or its contractors to complete land acquisition, property enhancement, startup costs, initial management, long-term management, and monitoring approved conservation bank with an authorized service area that includes the Project.~~

**33. Condition of Approval 7.3 has been amended as follows:**

7.3. Security Timeline. The Security shall be provided in draft form to CDFW's Regional Representative for review and approval prior to execution. Permittee shall execute the CDFW ~~before Covered Activities begin or approved Security~~ within 30 days after ~~the effective date~~ issuance of this ITP, ~~whichever occurs first.~~

**34. Condition of Approval 7.5 has been amended as follows:**

- 7.5. Security Transmittal.** Permittee shall transmit ~~it to CDFW with a completed Mitigation Payment Transmittal Form (see Attachment 4) or~~ security to CDFW by way of an approved instrument such as an escrow agreement, irrevocable letter of credit, or other.

**35. Condition of Approval 7.7 has been amended as follows:**

- 7.7. Security Release.** The Security (or any portion of the Security then remaining) shall be released to the Permittee after CDFW has conducted an on-site inspection and received confirmation that all secured requirements have been satisfied, as evidenced by:

Credit Purchase

- Copy of Bill of Sale(s) and Payment Receipt(s) or Credit ~~Transfer Agreement~~ Ledger for the purchase of Covered Species credits; and
- Timely submission of all required reports.

**OR**

Habitat Management Land Acquisition

- Written documentation of the acquisition of the HM lands;
- Copies of all executed and recorded conservation easements;
- Written confirmation from the approved Endowment Manager of its receipt of the full Endowment; and
- Timely submission of all required reports.

Even if Security is provided, the Permittee must complete the required acquisition, protection and transfer of all HM lands and record any required conservation easements no later than **18 months** from the effective date of this ITP. CDFW may require the Permittee to provide additional HM lands and/or additional funding to ensure the impacts of the taking are minimized and fully mitigated, as required by law, if the Permittee does not complete these requirements within the specified timeframe.

\* \* \*

**36. The Notices section has been amended as follows:**

\* \* \*

Unless Permittee is notified otherwise, CDFW's Regional Representative for purposes of addressing issues that arise during implementation of this ITP is:

~~Kristie Stein~~

Shaelyn Latronica

California Department of Fish and Wildlife  
1234 East Shaw Avenue

Fresno, California, 93710  
Telephone (559) ~~578-0409~~246-2584  
~~Kristie.Stein~~  
Shaelyn.Latronica@wildlife.ca.gov

**37. The Attachments section has been amended as follows:**

**Attachments:**

FIGURE 1	Regional Location
FIGURE <del>22a</del>	L85 <del>Site Location</del> <u>Work Area</u>
FIGURE 3a	L225 <del>Site Location</del> <u>Work Area</u>
ATTACHMENT 1	Mitigation Monitoring and Reporting Program
ATTACHMENT 2	Biologist Resume Form
ATTACHMENT 3	Letter of Credit Form
ATTACHMENT 4	<del>Mitigation Payment Transmittal Form</del> <u>Major Amendment No. 3 with Track Changes</u>