

# SHILOH IV MITIGATION MONITORING MATRIX

Last Revised: February 17, 2012

Black font – Planning and PIA responsibility

Blue font – County responsibility

Mitigation Measures	Necessary Documentation and Field Verification	Status
<b>PRIOR TO LAYDOWN AREA APPROVAL</b>		
MM AG-4: Confine Construction Activities to Necessary Work Areas (COA 28)	Construction Site Plans showing laydown construction areas	Date submitted <i>Date approved</i>
MM AIR-2: Fugitive Dust Controls (COA 33-38)	Construction Fugitive Dust Control Plan	Date submitted <i>Date approved</i>
MM BIO-1A: Minimize Habitat Disturbance (COA 39), BIO-3, BIO-4	Identification of qualified biologist as point of contract for monitoring; resumes for qualified CTS and wildlife biologists and qualified botanist	Date submitted <i>Date approved</i>
MM BIO-2A Avoid Impacts to Aquatic Resources (COA 41)	Verify that laydown area and access road are setback at least 250 feet from ponds and vernal pools and 100 feet from other aquatic resources or provide supplemental evaluation	Date verified
	Construction Plans showing any aquatic resources near laydown area and corresponding 100- or 250-ft setback	Date submitted <i>Date approved</i>
MM BIO-3: Special Status Plants (COA 43)	Construction Plans showing any special status plant locations near laydown area and 100-ft setbacks	Date submitted <i>Date approved</i>
	Mitigation for papoose tarpant or heartscale, if needed	Date submitted <i>Date approved</i>
MM BIO-4: California Tiger Salamander and Special-Status Invertebrate Species (COA 44)	HCP or pre-construction CTS surveys within 1.24 miles of laydown area.	Date submitted <i>Date approved</i>
	Provide CTS credits required in HCP or EIR, if no HCP.	Date submitted <i>Date approved</i>
	Verify that proposed disturbance is within credit amount	Date submitted <i>Date approved</i>
MM BIO-5A: Avoidance of Avian Nests (COA 45)	Preconstruction Nesting Survey Reports within 0.25 miles of laydown area	Date submitted <i>Date approved</i>
	Construction Plans showing all active raptor, owl, and other special-status bird nests and nest setbacks near laydown area	Date submitted <i>Date approved</i>

Mitigation Measures	Necessary Documentation and Field Verification	Status
MM AG-4, BIO-2A, BIO-3, BIO-4, and BIO-5A (combined)	Field verification of flagging of construction area boundaries, aquatic resources, special status plant setbacks, CTS habitat, and nest setbacks.	Date verified
MM BIO-5B: Habitat Avoidance –Burrowing Owl (COA 46)	Preconstruction Burrowing Owl Surveys – no more than 30 days prior to construction within 500 feet of laydown area.	Date submitted <i>Date approved</i>
MM BIO-8C: Off-site Replacement of Disturbed Aerial Habitat (COA 50)	Documentation of the purchased conservation easements, verification that mitigation bank is appropriate, and verification of nesting and habitat enhancements.	Date submitted <i>Date approved</i>
MM CUL-2A: Supplemental Cultural Surveys (COA 54)	Supplemental cultural survey, if necessary, for laydown area	Date submitted <i>Date approved</i>
	Verify posting of notices of cultural and paleontological discovery procedures	Date verified
	Resume of qualified Archaeologist to be submitted to County	Date submitted <i>Date approved</i>
	Tailgate training for aquatic resources, special status plants, CTS, and, if needed, archeological resources	Date verified
MM BIO-2A, BIO-3, BIO-4, and MM CUL-2A (combined)		
MM NOI-1: Construction Noise (COA 68)	Construction Site Plan including noise measures	Date submitted <i>Date approved</i>
	Construction Noise Complaint Plan	Date submitted <i>Date approved</i>
MM SA – 5a Grass Fire Control Plan (COA 77)	Grass Fire Control Plan approved by Montezuma Fire District	Date Submitted <i>Date approved</i>
MM HYD 64 Water Quality (COA 64)	Locate fuelling and maintenance at laydown area or more than 250 feet from aquatic resource – Planning/EH Review	Date verified
COA 25 Environmental Health Services	Confirm number of employees and contact State Department of Health if >25 Notify Hazardous Materials if onsite hazardous materials inventories exceed 500 gallons liquid, 200 cubic feet gas, or 200 pounds solids Approval of onsite sewage disposal application – EH Review	Date approved
MM SA – 2B Illness and Injury Plan (COA 75)	Submit evidence that Cal-OSHA approved plan – EH Review.	Date submitted: <i>Date approved</i>
MM HAZ 1a -Haz Mat Emergency Response Plan(Business Plan) and SPCC (COA 60)	Haz Mat Plan and SPCC – EH Review	Date submitted Date approved

Mitigation Measures	Necessary Documentation and Field Verification	Status
MM HAZ-1b – Waste Mgt Plan (COA 61)	Waste Management Plan – Planning/Narcisa Untal Review	Date submitted: Date approved
<b>PRIOR TO GRADING PERMITS</b>		
MM AG-4: Confine Construction Activities to Necessary Work Areas (COA 28)	Construction Site Plans	Date submitted <i>Date approved</i>
MM AIR-1a: Basic NOx Emissions Control (COA 31)	Construction contracts including NOx control measures	Date submitted <i>Date approved</i>
MM AIR-1B: Additional NOx Emissions Control (COA 32)	Plan for NOx and PM reduction for off-road equipment	Date submitted <i>Date approved</i>
	Construction contracts including requirement that contractors use equipment that meets ARB certification standards	Date submitted <i>Date approved</i>
	Construction Plans showing 250-foot setback from ponds and vernal pools and 100-foot setbacks from other aquatic resources.	Date submitted <i>Date approved</i>
MM BIO-2A: Avoid Aquatic Habitat (COA 41)	Memo verifying USGS seasonal streams are not present in dry valleys	Date submitted <i>Date approved</i>
	If placing fill in or adjacent to aquatic resource: Wetland delineation Habitat Mitigation and Monitoring Plan (approved by USACE, USFWS, and/or CDFG) Copy of CDFG 1600 Notification Copy of CDFG 1600 Agreement USACE 404 Permit and RWQCB 401 Permit/NOI Documentation of appropriate off-site compensation (Mitigation Bank)	Date submitted Date submitted Date submitted Date submitted Date submitted Date submitted
	Construction Plans showing any special status plant locations and 100-ft setbacks	Date submitted <i>Date approved</i>
	HCP or pre-construction CTS surveys	Date submitted <i>Date approved</i>
	Preconstruction Nesting Survey Reports	Date submitted <i>Date approved</i>

Mitigation Measures	Necessary Documentation and Field Verification	Status
	Construction Plans showing all active raptor, owl, and other special-status bird nests and nest setback area	Date submitted <i>Date approved</i>
MM AG-4, BIO-2A, BIO-3, BIO-4, and BIO-5A (combined)	Field verification of flagging of construction area boundaries, aquatic resources, special status plant setbacks, CTS habitat, and nest setbacks.	Date verified
MM BIO-5B: Habitat Avoidance –Burrowing Owl (COA 46)	Preconstruction Burrowing Owl Surveys – no more than 30 days prior to construction.	Date submitted <i>Date approved</i>
MM BIO-8B: On-site Mitigation (COA 49)	Avian and Bat Mitigation Plan	Date submitted <i>Date approved</i>
MM CUL-1: Avoid Known Cultural Resource (COA 53)	Construction plans maintaining 50 foot distance from historic windmill	Date submitted <i>Date approved</i>
MM CUL-2A: Supplemental Cultural Surveys (COA 54)	Supplemental cultural survey, if necessary, for all proposed disturbance	Date submitted <i>Date approved</i>
MM NOI-1: Construction Noise (COA 68)	Construction Site Plan including noise measures	Date submitted <i>Date approved</i>
	Construction Noise Complaint Plan	Date submitted <i>Date approved</i>
MM HAZ -2 Plan for Encountering Contaminated Soil, GW, NG etc. (COA 62)	Plan for Encountering Contaminated Soil Groundwater and Natural Gas – EHI Review	Date submitted: <i>Date approved</i>
MM HYD-2A SWPPP (COA 63)	State Approved Storm Water Pollution Prevention Plan Notice of Intent to comply with Construction General Permit – Public Works Review	Date submitted <i>Date approved</i>
MM SA 5B Fire Codes for Access Roads (COA 78)	Confirm access roads designed to Fire Code requirements – Montezuma Fire Department	Date submitted: <i>Date approved</i>
MM TRA-1 Traffic Control Plan (COA 79)	Traffic Control and Transportation Plan – Public Works Review Applicant submitted signage plan as well Agreement Security bonding – Public Works approved	Date submitted – March 5, 2012 – NB underreview <i>Date approved</i>

# **PRIOR TO COLLECTION LINE PERMITS**

COA 8.c Overlapping Entitlements	Authorization to install collection lines on “ancillary parcels” from landowners or holders of wind development rights	Date submitted <i>Date approved</i>
MM BIO-2B: Horizontal Directional Drilling under Aquatic Habitats (COA 42)	Verify biological monitor with HDD experience	Date verified
	County Well/Boring Permit Application for HDD	Date submitted <i>Date approved</i>
	Memo on HDD drilling plans by engineering geologist/professional engineer	Date submitted <i>Date approved</i>
	Frac-out Avoidance and Contingency Plan	Date submitted <i>Date approved</i>
	Verification of on-site biological briefing for HDD	Date verified
	CDFG 1600 Streambed Alteration Agreement, USACE 404 Permit, and RWQCB 401 Permit/NOI, if obtained	Date submitted <i>Date approved</i>

# **PRIOR TO BUILDING PERMITS**

MM AES-7: Limit Marking and Lighting to FAA Requirements (COA 26)	New or revised FAA notice for each turbine and met tower	Date submitted <i>Date approved</i>
MM LU-1A: Setbacks and Waivers (COA 65)	Construction Site Plans and GIS files for project features	Date submitted <i>Date approved</i>
	Waivers from landowners	Date submitted <i>Date approved</i>
MM LU-1B: Parking Compliance (COA 66)	O&M buildings plans showing parking	Date submitted <i>Date approved</i>
MM NOI-2A: Reduce Operational Noise (COA 69)	Waivers from landowners with noise impacts	Date submitted <i>Date approved</i>
	If no waiver at affected residence, supplemental noise analysis and acoustical report or plan for committing to operational limitations or adjustments demonstrating compliance.	Date submitted <i>Date approved</i>
MM NOI-2B: Operational Noise Complaint Plan (COA 70)	Operational Noise Complaint Plan	Date submitted <i>Date approved</i>
MM PSU-3: Notification and Siting (COA 71)	Revised study and report showing turbine locations in relation to microwave and radio facilities.	Date submitted <i>Date approved</i>
	Notices and results of negotiations, if any.	Date submitted

		<i>Date approved</i>
<b>MM SA-1B: Project Turbine Siting (COA 73)</b>	Construction Site Plan and GIS data for project features	Date submitted
	Final Plan with turbine locations with turbine height.	<i>Date approved</i>
	Date submitted	Date submitted
	Reduced setback waivers from adjacent property owners	<i>Date approved</i>
<b>MM TRA-5: FAA Notification (COA 82)</b>	Turbine and met tower coordinates and construction site plans	Date submitted
	FAA Form 7460-1 for final turbine and met tower locations	<i>Date approved</i>
	Date submitted	Date submitted
	FAA No Hazard Determinations for final locations	<i>Date approved</i>
<b>MM TRA-5B: Prohibit Penetration of Travis AFB Outer Horizontal Surface (COA 83)</b>	Documentation showing turbines and met towers under the Travis Outer Horizontal Surface are less than 562 feet above sea level	Date submitted
	Date submitted	<i>Date approved</i>
	Approval of design standards and pole configuration of any overhead lines. Confirmation that 230-kV line conforms to APPLIC 2006 suggested practices – Planning/Bldg. Review	Date submitted
	<i>Date approved</i>	Date submitted
<b>MM GEO-1A&amp; B Geotechnical Study (COA 56)</b>	Geotechnical Study signed by California registered geologist – Bldg. Review Confirmation that facilities designed to withstand ground shaking in geotechnical report	Date submitted
	<i>Date approved</i>	Date submitted
<b>MM GEO-2 Design Facilities to Withstand Soils Hazards (COA 57A)</b>	Confirmation that aboveground facilities designed to withstand expansive soils and other hazard identified in the geotechnical report – Bldg. Review	Date approved
<b>MM LU-4 (COA 67)</b>	Decommissioning funds to cover all decommissioning costs in the form of a surety bond or other bond acceptable to County Counsel. Planning Division to approve the amount prior to bond submittal and County Counsel review. Bond must be purchased from US financial institution. – Planning Review	Date submitted:
	<i>Date approved</i>	<i>Date approved</i>