SHILOH IV MITIGATION MONITORING MATRIX

Last Revised: February 17, 2012

Black font - Planning and PIA responsibility

Blue font – County responsibility

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Construction Plans showing all active raptor, owl, and other special-status bird nests and nest setbacks near laydown area	MM BIO-5A: Avoidance of Avian		Date submitted
tor, owl, and other special-status bird	Nests (COA 45)		Date approved
		Construction Plans showing all active raptor, owl, and other special-status bird	Date submitted
		nests and nest setbacks near laydown area	Date approved

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Field verification of flagging of construction area boundaries, aquatic resources, special status plant setbacks, CTS habitat, and nest setbacks. Preconstruction Burrowing Owl Surveys – no more than 30 days prior to Date sub	Date approved	construction within 500 feet of laydown area.	-Burrowing Owl (COA 46)
Field verification of flagging of construction area boundaries, aquatic resources, Date veri special status plant setbacks, CTS habitat, and nest setbacks.	Date submitted	Preconstruction Burrowing Owl Surveys – no more than 30 days prior to	MM BIO-5B: Habitat Avoidance
	Date verified	Field verification of flagging of construction area boundaries, aquatic resources, special status plant setbacks, CTS habitat, and nest setbacks.	MM AG-4, BIO-2A, BIO-3, BIO-4, and BIO-5A (combined)
Necessary Documentation and Field Verification	Status	Necessary Documentation and Field Verification	Mitigation Measures

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
PRIOR TO GRADING PERMITS		
MM AG-4: Confine Construction Activities to Necessary Work Areas (COA 28)	Construction Site Plans	Date submitted Date approved
MM AIR-1A: Basic NOx Emissions Control (COA 31)	Construction contracts including NOx control measures	Date submitted Date approved
MM AIR-1B: Additional NOx Emissions Control (COA 32)	Plan for NOx and PM reduction for off-road equipment	Date submitted Date approved
	Construction contracts including requirement that contractors use equipment that meets ARB certification standards	Date submitted Date approved
MM BIO-2A: Avoid Aquatic Habitat (COA 41)	Construction Plans showing 250-foot setback from ponds and vernal pools and 100-foot setbacks from other aquatic resources.	Date submitted Date approved
	Memo verifying USGS seasonal streams are not present in dry valleys	Date submitted Date approved
	If placing fill in or adjacent to aquatic resource: Wetland delineation Habitat Mitigation and Monitoring Plan (approved by USACE, USFWS,	Date submitted
	and/or CDFG) Copy of CDFG 1600 Notification	Date submitted Date submitted
	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
MM BIO-3: Special Status Plants (COA 43)	Construction Plans showing any special status plant locations and 100-ft setbacks	Date submitted Date approved
MM BIO-4: California Tiger Salamander and Special-Status Invertebrate Species (COA 44)	HCP or pre-construction CTS surveys	Date submitted Date approved
MM BIO-5A: Avoidance of Avian Nests (COA 45)	Preconstruction Nesting Survey Reports	Date submitted Date approved

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 Date approved
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 Date approved
MM BIO-8B: On-site Mitigation (COA 49)	Avian and Bat Mitigation Plan	Date submitted Date approved
MM CUL-1: Avoid Known Cultural Resource (COA 53)	Construction plans maintaining 50 foot distance from historic windmill	Date submitted Date approved
MM CUL-2A: Supplemental Cultural Surveys (COA 54)	Supplemental cultural survey, if necessary, for all proposed disturbance	Date submitted Date approved
MM NOI-1: Construction Noise (COA 68)	Construction Site Plan including noise measures	Date submitted Date approved
	Construction Noise Complaint Plan	Date submitted Date approved
MM HAZ -2 Plan for Encountering Contaminated Soil, GW, NG etc. (COA 62)	Plan for Encountering Contaminated Soil Groundwater and Natural Gas – EH Review	Date submitted: Date approved
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 Date approved
MM SA 5B Fire Codes for Access Roads (COA 78)	Confirm access roads designed to Fire Code requirements – Montezuma Fire Department	Date submitted: Date approved
MM TRA-1 Traffic Control Plan (COA 79)	Traffic Control and Transportation Plan – Public Works Review Applicant submitted signage plan as well	Date submitted – March 5, 2012 – NB underreview
	Agreement Security bonding – Public Works approved	Date approved

PRIOR TO COLLECTION LINE PERMITS	3 PERMITS	
COA 8.c Overlapping	Authorization to install collection lines on "ancillary parcels" from landowners	Date submitted
Entitlements	or holders of wind development rights	Date approved
MM BIO-2B: Horizontal Directional Drilling under	Verify biological monitor with HDD experience	Date verified
Aquatic Habitats (COA 42)	County Well/Boring Permit Application for HDD	Date submitted Date approved
	Memo on HDD drilling plans by engineering geologist/professional engineer	Date submitted Date approved
	Frac-out Avoidance and Contingency Plan	Date submitted Date approved
	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 Date approved
PRIOR TO BUILDING PERMITS	<u>S</u>	
MM AES-7: Limit Marking and	New or revised FAA notice for each turbine and met tower	Date submitted
Lighting to FAA Requirements (COA 26)		Date approved
MM LU-1A: Setbacks and	Construction Site Plans and GIS files for project features	Date submitted
waivers (COA 05)	White from landown	Date approved
	Waivers from landowners	Date submitted Date approved
MM LU-1B: Parking Compliance (COA 66)	O&M buildings plans showing parking	Date submitted Date approved
MM NOI-2A: Reduce	Waivers from landowners with noise impacts	Date submitted
Operational Noise (COA 69)		Date approved
	If no waiver at affected residence, supplemental noise analysis and acoustical	Date submitted
	demonstrating compliance.	Date approved
MM NOI-2B: Operational Noise Complaint Plan (COA 70)	Operational Noise Complaint Plan	Date submitted
MM PSU-3: Notification and	Revised study and report showing turbine locations in relation to microwave and	Date submitted
oming (COA)	באמווס נאכוווונים:	Date approved
	Nouces and results of negotiations, if any.	Date submitted

		Date approved
MM SA-1B: Project Turbine	Construction Site Plan and GIS data for project features	Date submitted
Siting (COA 73)		Date approved
	Final Plan with turbine locations with turbine height.	Date submitted
		Date approved
	Reduced setback waivers from adjacent property owners	Date submitted
		Date approved
MM TRA-5: FAA Notification	Turbine and met tower coordinates and construction site plans	Date submitted
(COA 82)		Date approved
	FAA Form 7460-1 for final turbine and met tower locations	Date submitted
		Date approved
	FAA No Hazard Determinations for final locations	Date submitted
		Date approved
MM TRA-5B: Prohibit	Documentation showing turbines and met towers under the Travis Outer	Date submitted
Penetration of Travis AFB Outer Horizontal Surface (COA 83)	Horizontal Surface are less than 562 feet above sea level	Date approved
MM BIO-7 Design Specifications	Approval of design standards and pole configuration of any overhead lines.	Date submitted
for Overhead Lines (COA 47)	Confirmation that 230-kV line conforms to APLIC 2006 suggested practices – Planning/Bldg. Review	Date approved
MM GEO-1A& B Geotechnical	Geotechnical Study signed by California registered geologist – Bldg. Review	Date submitted
Study (COA 56)	Confirmation that facilities designed to withstand ground shaking in	Date approved
	geotechnical report	
MM GEO-2 Design Facilities to	Confirmation that aboveground facilities designed to withstand expansive soils	Date approved
Withstand Soils Hazards	and other hazard identified in the geotechnical report - Bldg. Review	
(COA 57A)		
MM LU-4 (COA 67)	Decommissioning funds to cover all decommissioning costs in the form of a	Date submitted:
	surety bond or other bond acceptable to County Counsel. Planning Division to	Date approved
	approve the amount prior to bond submittal and County Counsel review. Bond	
	must be purchased from US financial institution. – Planning Review	