

50 California Street, Suite 1500 San Francisco, CA 94111 Tel: (415) 398-5326 Fax: (415) 796-0846

January 6, 2020

Mr. Michael Rosauer Project Manager California Public Utilities Commission 505 Van Ness Avenue San Francisco, CA 94102

Re: Monthly Report Summary #6 for the Sanger Substation Expansion Project

Dear Mr. Rosauer,

Construction for the Sanger Substation Expansion Project began on November 5, 2018. This report provides a summary of the compliance monitoring activities that occurred during the period from **April 1 to 30, 2019**, for the Sanger Substation Expansion Project in Fresno County, California. Compliance monitoring was performed to ensure that all project-related activities conducted by Pacific Gas & Electric (PG&E) and their contractors comply with the requirements of the Final Initial Study/Mitigated Negative Declaration (Final IS/MND) for the Sanger Substation Expansion Project, as adopted by the California Public Utilities Commission (CPUC) on July 13, 2017.

Table 1 summarizes CPUC-approved Notice to Proceed (NTP) activities to-date for the Sanger Substation Expansion Project, based on activities proposed in PG&E's Notice to Proceed Requests (NTPRs).

Table 1 CPUC-approved NTP Activities for the Sanger Substation Expansion Project

NTP# Final NTPR CPUC NTP Submittal Date Issuance Date Description of A				Description of Approved Activities
	NTP #1	11/1/2018	11/2/2018	Work within both the existing Sanger Substation footprint and the expansion area, including laydown/staging area setup; installation of access driveways, fencing, foundations, substation equipment, and a microwave tower; and installation of two antenna dishes at an off-site location (Fence Meadow Repeater Station).

Table 2 summarizes all CPUC-approved Minor Project Refinements (MPRs) to-date for the Sanger Substation Expansion Project.

Table 2 CPUC-approved MPRs for the Sanger Substation Expansion Project

MPR#	Final MPR Submittal Date	CPUC MPR Approval Date	Description of Minor Project Refinement
MPR #001	5/24/2018	6/12/2018	Minor modifications to the placement and types of poles in the "power line reconfiguration" project component to suit engineering refinements that were made after Final IS/MND approval. The modifications would occur approximately 2,100 feet west; 750 feet east; and 165 feet south of the existing Sanger Substation footprint. In total, there would be modifications to seven poles.

Table 2 CPUC-approved MPRs for the Sanger Substation Expansion Project

MPR#	Final MPR Submittal Date	CPUC MPR Approval Date	Description of Minor Project Refinement
MPR #002	7/17/2018	7/20/2018	An additional temporary laydown yard/staging area (approximately 974 feet by 112 feet) located north of the retention basin, running north between the western boundary of the substation expansion area and the western boundary of the existing Sanger Substation footprint. This area is owned in fee title by PG&E.
MPR #003	11/13/2018	11/14/2018	Use of an existing water well approximately 100 feet north of approved NTP #1 work areas, within the same parcel as the Sanger Substation footprint. PG&E has obtained permission from the landowner to use this well for a specified timeframe. PG&E will access the well pump by foot, and will obtain water from this well for dust control purposes. MPR #3 adds no additional ground disturbance to the existing disturbance footprint, other than impacts from light foot traffic and temporary ground placement of a water hose.

Project Compliance Incidents

Onsite compliance monitoring by the Ecology and Environment, Inc., member of WSP (hereafter referred to as E & E) compliance team during this reporting period focused on spot-checks of ongoing construction activities. Compliance Monitor Ben Arax visited the Sanger Substation construction site on **April 12 and 24, 2019**. CPUC Compliance Monitoring Reports that summarize observed construction activities and compliance events and verify mitigation measures (MMs) and applicant proposed measures (APMs) were completed for the site visits. These reports are attached below (Attachment 1).

Overall, the Sanger Substation Expansion Project has maintained compliance with the Mitigation Monitoring, Compliance, and Reporting Program's (MMCRP) Compliance Plan. Communication between the CPUC/E & E compliance team and PG&E has been regular and effective; the correspondence discussed and documented compliance events, upcoming compliance-related surveys and deliverables, and the construction schedule. Agency calls between the CPUC/E & E and PG&E, along with daily schedule updates and database notifications, provided additional compliance information and construction summaries. Furthermore, PG&E's weekly compliance status reports provided a compliance summary, a description of construction activities that occurred each week, a summary of compliance with MMCRP conditions (MMs/APMs) for biological, cultural and paleontological resources; the Storm Water Pollution Prevention Plan (SWPPP); noise and traffic control; onsite hazards; and the Worker Environmental Awareness Program (WEAP), as well as any non-compliance issues and resolutions, and public complaints and notifications.

Compliance Incidents and Minor Compliance Observations

During the April 2019 reporting period, PG&E did not self-report any compliance incidents, and the CPUC did not issue any compliance incident reports. During the April 2019 reporting period, the CPUC Compliance Monitor noted that some erosion control best management practice (BMP) and SWPPP installations needed minor repairs following rain events. However, the BMPs continued to function has intended and repairs were addressed promptly.

Noise Compliance

During the April 2019 reporting period, there were no exceedances of the stipulated noise levels.

Mr. Michael Rosauer January 6, 2020 Page 3

Public Concerns

No public concerns were reported during April 2019.

Sincerely,

Ilja Nieuwenhuizen

Type Nienwen huizen

Project Manager, Ecology and Environment, Inc.

cc:

Michael Calvillo, PG&E Carie Montero, Parsons Lincoln Allen, SWCA

ATTACHMENT 1

CPUC Compliance Monitoring Reports April 12 and 24, 2019



Sanger Substation Expansion Project CPUC Compliance Monitoring Report

Project Proponent	Pacific Gas & Electric (PG&E)	Report No.	CM-CPUCBA-041219
Lead Agency	California Public Utilities Commission (CPUC)	Date (mm/dd/yy)	04/12/19
CPUC Project Manager	Michael Rosauer	Monitor(s)	Ben Arax
CPUC (Ecology and Environment, Inc., member of WSP [E & E]) Monitoring Manager	Ilja Nieuwenhuizen	AM/PM Weather	54°F, partly cloudy, wind 7 miles per hour (mph)
CPUC (E & E) Monitoring Supervisor	Aileen Cole	Start/End Time	9:21 AM – 10:18 AM
Project Notices to Proceed NTP(s)	NTP #1		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training	Yes	No	N/A
Is the WEAP training in place and does it appear to have been completed by all onsite personnel (e.g., construction workers, managers, inspectors, monitors)?	Х		
Erosion and Dust Control (Air and Water Quality)	Yes	No	N/A
Have temporary erosion and sediment control measures (best management practices [BMPs]) been installed in accordance with the project's Storm Water Pollution Prevention Plan (SWPPP)?	х		
Are erosion and sediment control measures (BMPs) installed correctly (without apparent deficiencies) and functioning as intended during rain events?	Х		
Are measures in place to avoid/minimize mud tracking onto public roadways?			
Is dust control being implemented, in accordance with the Dust Control Plan (e.g., access roads watered, haul trucks covered, dirt piles are covered with tarps, pull-outs and streets cleaned on a regular basis)?			
Are work areas being effectively watered prior to excavation or grading?	Х		
Are measures in place to stabilize soils and effectively suppress fugitive dust?	Х		
Equipment			N/A
Are vehicles maintaining speed limits: 15 mph on unpaved roads/10 mph off-road?			
Are observed vehicles/equipment arriving onsite clean of sediment/mud and noxious weeds or other plant debris?	Х		
Are observed vehicles/equipment turned off when not in use?	Х		

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Work Areas	Yes	No	N/A
Is vegetation disturbance within work areas minimized?	Х		
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources, as appropriate?	Х		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	Х		
Are trenches/excavations covered at night, or when not possible, are wildlife escape ramps installed, constructed of earth fill or wooden planks no less than 10 inches wide?	Х		
Biology	Yes	No	N/A
Have required preconstruction surveys been completed for biological resources (special status species, raptors and other nesting birds, burrowing owls, San Joaquin kit fox), as appropriate?	Х		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, appropriate buffer distance enacted)?	Х		
Is project complying with biological monitoring requirements (e.g., if required, are monitors present)?	Х		
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on these features (e.g., is the refueling/maintenance buffer in place within 100 feet of the irrigation ditch)?	Х		
Has wildlife (sensitive species or not) been relocated from work areas? If yes, describe below.		Х	
Have impacts occurred on adjacent habitat (sensitive or not sensitive)? If yes, describe below.			
Did you observe any threatened or endangered species? If yes, describe below.			
Have there been any work stoppages for biological resources? If yes, describe below.		Х	
Cultural and Paleontological Resources	Yes	No	N/A
Are appropriate buffers/exclusion zones for identified sensitive cultural/paleo resources (e.g., cultural sites) clearly marked and being maintained?	Х		
Is the project in compliance with cultural/archaeological monitoring requirements (e.g., if required, are monitors present)?	Х		
Is the project in compliance with paleontological monitoring requirements (e.g., if required, are monitors present)?	Х		
Have there been any work stoppages for potential archaeological, cultural, or paleontological resources? If yes, describe below.		Х	
Hazardous Materials	Yes	No	N/A
Are hazardous materials that are stored or used onsite properly managed?			
Are procedures in place to prevent spills and accidental releases?	Х		

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Are required fire prevention and control measures in place, and no crew members, managers, or monitors are smoking onsite?			
Are contaminated soils properly managed for onsite storage or off-site disposal?			
Work Hours and Noise		No	N/A
Are required night lighting reduction measures in place?			
Is construction occurring within approved work hours?			
Are required noise control measures in place?	Х		

AREAS MONITORED

Project areas on and near the substation expansion footprint, existing substation, and the temporary laydown/staging area.

DESCRIPTION OF OBSERVED ACTIVITIES

9:21 AM- I arrived onsite. I noted that vehicles were turned off and stored when not in use, BMPs are clean and effective, and materials were kept away from traffic (Photos 1, 2, and 3). Chennie Castañon (PG&E Environmental Inspector) and Jeff Clarkson (PG&E Senior Civil Inspector) explained the day's activities. AJ Excavation crews were performing permanent fence installation and pole box excavation.

9:36 AM- I began site inspection. I observed crews excavating pits (Photo 4). Excavated pits were surrounded by exclusion fencing (Photo 5). The retention pond was observed fully drained and dried out (Photo 6). Other AJ crewmembers were observed boring out holes for fence posts (Photo 7). Completed concrete footings for the Modular Protection, Automation & Control (MPAC) buildings were observed (Photo 8), with crewmembers guiding a concrete mixing truck near the footings (Photo 10). Crewmembers were also observed transporting materials with a forklift for later use (Photo 9).

10:03 AM- I completed the site inspection.

10:12 AM- Observed Mourning Dove (*Zenaida macroura;* MODO) nest located on a water truck in the existing substation. A 50-foot buffer was established. The MODO was unaffected by project activities (Photo 11).

10:18 AM- I left the project site.

MITIGATION MEASURES VERIFIED

MM BIO-1, APM AIR-1, APM HAZ-3, MM HAZ-2, APM GHG-1, MM HAZ-1

See additional applicant proposed measures (APMs) and mitigation measures (MMs) listed in the Description of Observed Activities section.

RECOMMENDED FOLLOW-UP

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COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS						
COMPLIANCE SUMMARY Below please describe any Compliance Incidents (Level 1, 2, or 3) that have occurred since your last visit. If you observe a compliance issue in the field, please note this on this monitoring form. In						
addition, Level 1, 2 or 3 Compliance Incidents, fill out and submit a separate Compliance Incident Report Form.						
Level 0 Acceptable. (no compliance incidents)						
Level 1: Minor Problem. An event or observation that slightly deviates from project requirements, but does not put a resource at unpermitted risk. If you checked this box, describe the incident below and fill out a separate Compliance Incident Form.						
Level 2: Compliance Deviation. An event or observation that deviates from project requirements and puts a resource at risk, or shows a trend toward placing resources at risk, but is corrected without affecting the resource. Repeated Level 1 Minor Problems left unaddressed may also rise to a Level 2 Compliance Deviation. If box is checked, summarize below and fill out a separate Compliance Incident Form.						
Level 3: Non-Compliance. An event or observation that violates project requirements and affects a resource. Repeated Level 2 Compliance Deviations left unaddressed may also rise to a Level 3 Incident. An action that deviates from project requirements and has caused, or has the potential to cause major impacts on environmental resources. These actions are not in compliance with the Mitigation Monitoring, Compliance, and Reporting Program (MMCRP) APMs or MMs, permit conditions, or approval requirements (e.g., minor project changes, NTP), and/or violates local, state, or federal law. If box is checked, summarize below and fill out a separate Compliance Incident Form.						
Compliance Incidents reported by PG&E's Compliance Team						
PG&E's Compliance Team reported Compliance Incidents since last CPUC Compliance Monitor visit. If boxed						
checked, describe issues and resolution status below.						
Description: (include PG&E's report number)						
New Sensitive Resources						
New biological, environmental, cultural/archaeological, or paleontological discovery requiring compliance						
with mitigation measures, permit conditions, etc., has occurred since last CPUC Compliance Monitoring visit If checked, please describe the new discoveries and documentation/verification below.						
Relevant Corresponding Mitigation Level 1, 2, or 3 Date Level Compliance Incident and Resolution Measure Report #						
PREVIOUS COMPLIANCE INCIDENTS OR ITEMS REQUIRING FOLLOW-UP OR RESOLVED TODAY:						

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Date	Location	Photo	Description
04/12/19	Expansion footprint		Photo 1- Site conditions on the expansion footprint Photo facing northwest.
04/12/19	Expansion footprint		Photo 2- Vehicles turned off and consolidated after use. Photo facing west.
04/12/19	Expansion footprint		Photo 3- Building materials stored away from foot/vehicle traffic. Photo facing north.
04/12/19	Expansion footprint		Photo 4- AJ Excavation crew excavating holes for concrete pouring. Photo facing northwest.

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Date	Location	Photo	Description
04/12/19	Expansion footprint		Photo 5- Excavated hole covered with exclusion fencing. Photo facing south.
04/12/19	Temporary staging area		Photo 6- Retention basin fully drained. Photo facing south.
04/12/19	Expansion footprint		Photo 7- AJ excavation boring fence post holes. Photo facing southwest.
04/12/19	Expansion footprint		Photo 8- Finished concrete footings for MPAC buildings Photo facing southeast.

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REPRESENT	REPRESENTATIVE SITE PHOTOGRAPHS					
Date	Location	Photo	Description			
04/12/19	Expansion footprint		Photo 9- AJ Excavation worker transporting building materials with a forklift. Photo facing east.			
40/12/19	Expansion footprint		Photo 10- Concrete truck being guided by crew. Photo facing southwest.			
04/12/19	Expansion footprint		Photo 11- MODO nest located on water truck; 50-foot buffer around it. Photo facing southeast.			

Completed by:	Ben Arax
Firm:	Soar Environmental Consulting, Inc.
Date:	04/12/19
Reviewed by:	Patrick Sauls
Firm:	Soar Environmental Consulting, Inc.
Date:	04/12/19

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Sanger Substation Expansion Project CPUC Compliance Monitoring Report

Project Proponent	Pacific Gas & Electric (PG&E)	Report No.	CM-CPUCBA-042419
Lead Agency	California Public Utilities Commission (CPUC)	Date (mm/dd/yy)	04/24/19
CPUC Project Manager	Michael Rosauer	Monitor(s)	Ben Arax
CPUC (Ecology and Environment, Inc., member of WSP [E & E]) Monitoring Manager	Ilja Nieuwenhuizen	AM/PM Weather	73°F, clear, wind 7 miles per hour (mph)
CPUC (E & E) Monitoring Supervisor	Aileen Cole	Start/End Time	9:00 AM – 9:25 AM
Project Notices to Proceed NTP(s)	NTP #1		

SITE INSPECTION CHECKLIST (Based on monitor's observations during site visit; responses do not imply that monitor observed all staff, crews, and parts of the project during this inspection)

Worker Environmental Awareness Program (WEAP) Training			N/A
Is the WEAP training in place and does it appear to have been completed by all onsite personnel (e.g., construction workers, managers, inspectors, monitors)?			
Erosion and Dust Control (Air and Water Quality)			N/A
Have temporary erosion and sediment control measures (best management practices [BMPs]) been installed in accordance with the project's Storm Water Pollution Prevention Plan (SWPPP)?	х		
Are erosion and sediment control measures (BMPs) installed correctly (without apparent deficiencies) and functioning as intended during rain events?	Х		
Are measures in place to avoid/minimize mud tracking onto public roadways?			
Is dust control being implemented, in accordance with the Dust Control Plan (e.g., access roads watered, haul trucks covered, dirt piles are covered with tarps, pull-outs and streets cleaned on a regular basis)?			
Are work areas being effectively watered prior to excavation or grading?			
Are measures in place to stabilize soils and effectively suppress fugitive dust?			
Equipment			N/A
Are vehicles maintaining speed limits: 15 mph on unpaved roads/10 mph off-road?			
Are observed vehicles/equipment arriving onsite clean of sediment/mud and noxious weeds or other plant debris?			

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Are observed vehicles/equipment turned off when not in use?	Х		
Work Areas			N/A
Is vegetation disturbance within work areas minimized?			
Is exclusionary fencing or flagging in place to protect sensitive biological or cultural resources, as appropriate?	Х		
Are observed vehicles, equipment, and construction personnel staying within approved work areas and on approved roads?	Х		
Are trenches/excavations covered at night, or when not possible, are wildlife escape ramps installed, constructed of earth fill or wooden planks no less than 10 inches wide?	Х		
Biology	Yes	No	N/A
Have required preconstruction surveys been completed for biological resources (special status species, raptors and other nesting birds, burrowing owls, San Joaquin kit fox), as appropriate?	Х		
Are appropriate measures in place to protect sensitive habitat and/or drainages (i.e., flagging, signage, exclusion fencing, appropriate buffer distance enacted)?	X		
Is project complying with biological monitoring requirements (e.g., if required, are monitors present)?	Х		
If there are wetlands or water bodies near construction activities, are adequate measures in place to avoid impacts on these features (e.g., is the refueling/maintenance buffer in place within 100 feet of the irrigation ditch)?	Х		
Has wildlife (sensitive species or not) been relocated from work areas? If yes, describe below.		Х	
Have impacts occurred on adjacent habitat (sensitive or not sensitive)? If yes, describe below.		Х	
Did you observe any threatened or endangered species? If yes, describe below.			
Have there been any work stoppages for biological resources? If yes, describe below.			
Cultural and Paleontological Resources	Yes	No	N/A
Are appropriate buffers/exclusion zones for identified sensitive cultural/paleo resources (e.g., cultural sites) clearly marked and being maintained?	X		
Is the project in compliance with cultural/archaeological monitoring requirements (e.g., if required, are monitors present)?	Х		
Is the project in compliance with paleontological monitoring requirements (e.g., if required, are monitors present)?			
Have there been any work stoppages for potential archaeological, cultural, or paleontological resources? If yes, describe below.		Х	
Hazardous Materials			N/A
Are hazardous materials that are stored or used onsite properly managed?			

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Are procedures in place to prevent spills and accidental releases?			
Are required fire prevention and control measures in place, and no crew members, managers, or monitors are smoking onsite?			
Are contaminated soils properly managed for onsite storage or off-site disposal?			
Work Hours and Noise		No	N/A
Are required night lighting reduction measures in place?			
Is construction occurring within approved work hours?			
Is construction occurring within approved work hours?	X		

AREAS MONITORED

Project areas on and near the substation expansion footprint, existing substation, and the temporary laydown/staging area.

DESCRIPTION OF OBSERVED ACTIVITIES

9:00 AM- I arrived onsite. I met with Chennie Castañon (PG&E Environmental Inspector), who notified that Jeff Clarkson (PG&E Senior Civil Inspector) was out for the week and was relieved by Ted Boyett.

9:05 AM- I began the site inspection. Fully constructed Modular Protection, Automation, & Control (MPAC) buildings were observed (Photo 1). Vehicles were turned off and stored (APM GHG-1) when not in use (Photo 2), BMPs were clean and effective (Photo 5), and materials are kept away from traffic (Photos 4 and 8). Pole boxes were built and covered (Photo 6). Rumble plates were installed at the ingress point on the northeastern side of the expansion footprint (Photo 5). Crews were observed operating a forklift for transporting supplies (Photo 3), as well as a front-end loader to transfer rocks to the northern side of the expansion footprint (Photo 9). While silt fencing looked intact, weeds have grown on both sides of the fencing, which may lead to BMP structural integrity issues in the future (Photo 7). The Mourning Dove (*Zenaida macroura*) nest on the water truck inside the existing substation was still there, and the buffer was still maintained (MM BIO-4).

9:23 AM- I completed the site inspection. I briefly spoke with Ted Boyett, who mentioned fire-resistant (FR) clothing would be needed as an additional personal protective equipment (PPE) in the next couple weeks.

9:25 AM- I left the project site.

MITIGATION MEASURES VERIFIED

MM BIO-1, APM AIR-1, APM HAZ-3, MM HAZ-2, APM GHG-1, MM HAZ-1

See additional applicant proposed measures (APMs) and mitigation measures MMs listed in the Description of Observed Activities section.

RECOMMENDED FOLLOW-UP

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COMPLIANCE SUGGESTIONS OR ADDITIONAL OBSERVATIONS					
COMPLIANCE SUMMARY Below please describe any Compliance Incidents (Level 1, 2, or 3) that have occurred					
since your last visit. If you observe a compliance issue in the field, please note this on this monitoring form. In					
addition, Level 1, 2 or 3 Compliance Incidents, fill out and submit a separate Compliance Incident Report Form.					
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Relevant Corresponding Mitigation Level 1, 2, or 3 Date Level Compliance Incident and Resolution Measure Report #					
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REPRESENTATIVE SITE PHOTOGRAPHS				
Date	Location	Photo	Description	
04/24/19	Expansion footprint		Photo 1- Constructed MPAC buildings. Photo facing southeast.	
04/24/19	Expansion footprint		Photo 2- Vehicles turned off and stored together when not in use. Photo facing west.	
04/24/19	Expansion footprint		Photo 3- Crew operating a forklift. Photo facing northwest.	

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REPRESENTATIVE SITE PHOTOGRAPHS				
Date	Location	Photo	Description	
04/24/19	Expansion footprint		Photo 4- Rock used for truck ingress point temporarily stored. Photo facing north.	
04/24/19	Expansion footprint		Photo 5- BMPs (Rumble plates/trackout rock) installed at the northeast end of the expansion footprint. Photo facing north.	
04/24/19	Temporary staging area		Photo 6- Constructed pole box. Photo facing southwest.	

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Date	Location	Photo	Description
04/24/19	Expansion footprint		Photo 7- Silt fence intact, but with substantial weeds growing around it. Photo facing west.
04/24/19	Temporary staging area		Photo 8- Building materials placed in temporary staging area. Photo facing south.
04/24/19	Expansion footprint		Photo 9- Crewmember operating a front- end loader, transferring rocks to the northern end of the expansion footprint. Photo facing southeast.

Completed by:	Ben Arax
Firm:	Soar Environmental Consulting, Inc.
Date:	04/24/19
Reviewed by:	Patrick Sauls
Firm:	Soar Environmental Consulting, Inc.
Date:	04/24/19

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