

This page intentionally left blank

Contents

Abbr	eviatio	ns	ii
1.0	Site Overview and Inspection Summary		
2.0	Inspection Requirements		
	2.1	Institutional Controls	2
2.2 Concrete Enclosure and Historical Plaque			2
2.3 Fence		Fence	3
	2.4	Signage	3
3.0	Site Inspection Results and Report		3
4.0	Site Records and Public Information		
5.0	Photographs		
6.0	Refere	ences	10

Table

1 abic 1. L'i Sectri requirements for the Durits I are, Camornia, Site
--

Appendixes

Appendix A	2019 Annual Inspection Checklist, Burris Park, California, Site
Appendix B	Plan of the Day/Plan of the Week and Job Safety Analysis

Abbreviations

DOE	U.S. Department of Energy
ft	feet
IC	institutional control
LM	Office of Legacy Management
LTS&M	Long-Term Surveillance and Maintenance
mCi	millicurie
PL	photograph location
⁹⁰ Sr	strontium-90
UC Berkeley	University of California—Berkeley

1.0 Site Overview and Inspection Summary

The Burris Park, California, Site (formerly the Burris Park Field Station), is in the central part of a 57-acre park owned and maintained by Kings County Parks and Grounds Department. The site consists of a 50×50 -foot (ft) fenced area surrounding the 42×42 ft decommissioned test pad, which is reinforced by concrete protective cover. This area once consisted of 6×6 ft soil-filled concrete plots used to test the effectiveness of removing strontium-90 (90 Sr) from the soil. University of California—Berkeley (UC Berkeley) scientists applied 72 millicuries (mCi) of 90 Sr evenly to the soil in the late 1950s to conduct these tests under a contract with the U.S. Atomic Energy Commission. The site was decommissioned by filling and capping the plots with metal-mesh reinforced concrete in 1963. Although no further remediation is required, the U.S. Department of Energy (DOE) Office of Legacy Management (LM) in November 2014 accepted maintenance-only responsibility for the site and its remaining radioactive contents.

LM conducted site maintenance in 2015 to remove fallen tree debris, perennial vegetation, and old farm equipment and to repair the damaged fence. At the first annual site inspection conducted by LM in December 2016, the site was found to be in good condition with no immediate maintenance needs or cause for a follow-up inspection identified. Inspection team members discussed some improvements to reduce the growth of vegetation and burrowing rodents, and these concerns were scheduled to be addressed in fiscal year 2018. During the December 2017 annual inspection, the site was found to be in good condition; however, the concerns with rodent burrowing remained, reinforcing the scheduling of additional maintenance in 2018. Park maintenance staff applied herbicide throughout the year, successfully deterring vegetation growth.

In March 2018, LM conducted additional maintenance activities to deter animal burrowing and vegetation growth around the pad. Specific activities included:

- Bringing loose soil from around the fence exterior to the inside of the fenced area
- Grinding two tree stumps to 4 inches below ground surface
- Adding bottom fence rails around the entire fence perimeter, except the gate, and securing the fence to the bottom rails
- Installing a fence border made of 8 ft long, 6×6 -inch treated wood lumber placed on top of landscape fabric and secured with rebar
- Covering soil areas between the concrete pad and the fence with landscaping fabric, then covering the fabric with river rock riprap
- Adjusting the gate so it swings outward rather than inward

Details of the 2018 maintenance work can be found in the *Landscaping and Maintenance Summary at the Burris Park, California, Site* (DOE 2018a).

The February 2019 inspection found the site in good condition with no follow-up action required. Refer to Section 3.0 for the further inspection results.

No sampling is required at the site; however, LM will initiate radiological surveys every 5 years to ensure the pad enclosure remains protective of human health and the environment. The initial LM survey is to be conducted in 2024.

2.0 Inspection Requirements

The *Burris Park, California, Site Long-Term Surveillance and Maintenance Plan* (LTS&M Plan) (DOE 2018b) establishes how LM will maintain the site; ensure institutional controls (ICs) and protective measures are working effectively; and communicate schedules, plans, and outcomes of annual inspections with the regulator, landowner, and other interested parties.

Table 1 is a crosswalk of this inspection report to the LTS&M Plan.

Requirement	Long-Term Surveillance Plan	This Report
Institutional controls	Section 3.1	Sections 2.1-2.4
Management of site records	Sections 3.2, 3.4	Section 4.0
Annual inspections and reports	Section 3.6	Section 3.0
Follow-up or contingency inspections	Section 3.6 and Table 1	Section 3.0
Routine maintenance and repairs	Section 3.6 and Table 1	Sections 2.1-2.4

Table 1. LTS&M Requirements for the Burris Park, California, Site

2.1 Institutional Controls

In DOE Policy 454.1, *Use of Institutional Controls* (DOE Policy 454.1), ICs refer to legal instruments (e.g., land-use restrictions), physical or engineering controls (e.g., fences, signs), and methods of providing information to people (e.g., fact sheets, interpretive displays) that help minimize the risk of human and environmental exposure to contaminants and maintain the remedies at a site. The following engineering and physical controls are currently associated with the site under DOE's broad application of ICs: (1) a concrete containment structure that entombs the remaining 20 mCi of the ⁹⁰Sr isotope after 57 years of natural radioactive decay, (2) a bronze plaque providing historical information and secured into the southeastern corner of the concrete pad, (3) a chainlink fence with a locked gate to prevent public access to the concrete enclosure, (4) updated signs that provide current information and emergency contact numbers, and (5) an access agreement between LM and Kings County. These ICs, as well as legal instruments, public information, and dissemination mechanisms, are further detailed in the sections below.

2.2 Concrete Enclosure and Historical Plaque

One antique farm tractor remains on the concrete pad due to its immobility and age. The Parks and Grounds Department informed LM during the 2019 site inspection of its plans to move the antique tractor from the concrete pad within the next 5 years. The Parks and Grounds Department recognizes the potential for damage to the pad if equipment is not properly removed. It will contact LM when the move is completed.

The concrete pad has minor surface cracks that do not pose a health risk. In 2014 these same cracks were scanned by a radiological control technician, and no results were above background. During 2018 maintenance activities, a surface gouge was noted in the concrete pad about 10 ft from the northwest corner of the pad. The pad was gouged before the 2018 maintenance activity and was filled with sand by the Parks and Grounds Department. A trowel and cement repair kit were used to repair the gouge during the March 2018 maintenance.

Photograph locations (PL)-1 through PL-3 represent the current condition of the IC.

The historical bronze plaque on the southeast corner of the pad is legible and free of debris and remains in good condition. No maintenance or deferred maintenance needs for this IC were identified. Photograph PL-4 shows the current condition of the plaque.

2.3 Fence

As reported in the 2016 inspection, fence maintenance restored this asset to a protective condition. The expected longevity of the fence is about 25 years. During the 2017 inspection, a closer look at the age of the fence revealed a replacement is necessary within the next 10 years. As such, LM will plan to replace the entire fence and gate in 2025. To address erosion and animal burrowing concerns at the site, LM installed a bottom fence rail around the entire fence perimeter, except the gate, and secured the fence bottom to the rails during the March 2018 maintenance activities. To further strengthen the life of the fence to prevent the riprap from pushing on the fence bottom, 4×4 timbers were placed inside the fence line. These timbers will be replaced on the same schedule as the fence replacement. Photographs PL-5 and PL-6 show the current condition of this IC.

2.4 Signage

Signs on each side of the fenced area were present and found to be in good condition with no maintenance needs or cause for a follow-up inspection identified. It is recommended the rusty metal hangers for the signs be replaced with plastic/zip ties in the future. Refer to photograph PL-7.

3.0 Site Inspection Results and Report

The 2019 Annual Inspection Checklist, Burris Park, California, Site, was developed as a tool to ensure that all aspects of the site were evaluated and results documented. The completed checklist is in Appendix A. Major items, requirements, and actions in the checklist are protocols for notification of affected parties, ensuring site access, addressing the inspection requirements mandated by the LTS&M Plan, and providing the existing condition and any required maintenance conducted or follow-up work needed before or during the next inspection.

The annual inspection of the site was conducted on February 6, 2019, beginning at 2 p.m. Attendees included:

Jeffrey Murl, LM Site Manager

Tim Breshears, Kings County Parks and Grounds Superintendent

Michele Miller, LMS Site Lead

Jill Bennett, LMS Site Lead

Nathaniel Killebrew, Kings County custodian for Burris Park

Jim De Zetter, UC–Berkeley – Radiation Safety Officer, Office of Environment, Health and Safety

The Plan of the Day/Plan of the Week and Job Safety Analysis were discussed and corresponding forms were signed before the site inspection started. These documents are presented in Appendix B.

Overall, the site was found to be in good condition. Park maintenance employees have deterred vegetation growth by applying herbicide as needed around the pad year-round. While animal burrowing was noted near the site, no burrow holes were noted within the fenced area (PL-8). In addition, no soil erosion or subsidence was noted. No new surface cracks or gouges in the concrete pad were found.

Future site maintenance activities will include:

- Managing the physical condition of the site
 - Removal or deterrence of vegetation with herbicide application by the park maintenance staff; application of herbicide or pesticide as warranted
 - Replacing fence, gate, and signs, as warranted
- Conducting periodic radiological surveys to confirm the protectiveness of the concrete cap
 - Using fillers, sealants, or resurfacing agents to reseal the cap seams to ensure continued protection of human health and the environment

While there are no zoning changes planned for the area adjacent to the site, Kings County has expanded use of the park for an outdoor education program for students; the Parks and Grounds Department estimates that 2000 students are expected yearly. In addition, the County plans to build a greenhouse in 2019 adjacent to the eastern portion of the site, with an 8 ft buffer zone from the fence line. Parks and Grounds officials provided a copy of the greenhouse plans for review (PL-9). The County also plans to build an amphitheater within the next 3 years on the other side of the museum (south of the site). LM requested a copy of the design plans as well as a copy of the park's master plan document. Parks and Grounds officials indicated they would compile and send electronic files to LM.

An existing leachate line approximately 25 ft to the west of the site fence line was mentioned during discussion of park development plans. LM spoke to Kings County Parks and Grounds staff about ensuring that the line is contoured to drain away from the site.

4.0 Site Records and Public Information

LM maintains a webpage and fact sheet for the site; both are updated annually and are current. A formal access agreement between LM and Kings County has been in place since December 5, 2016. All inspections, maintenance actions, and correspondence are documented and maintained as records. LM complies with National Archives and Records Administration records archiving and destruction protocols.

5.0 Photographs

Photo Location Number	Photograph Description
PL-1	Concrete Pad Surface with New Riprap, Looking Northwest
PL-2	Dead Vegetation Along North Side of Pad
PL-3	Cracks in Concrete Pad Surface
PL-4	Historical Bronze Plaque
PL-5	Interior View of Fence with New Bottom Rails and Riprap, Looking West
PL-6	Fence Condition at Grade, Looking South
PL-7	Verified Signage Posted on All Sides of Fencing
PL-8	Fencing and Animal Burrowing, Looking North
PL-9	Reviewing Proposed Greenhouse Construction Drawings



PL-1. Concrete Pad Surface with New Riprap, Looking Northwest



PL-2. Dead Vegetation Along North Side of Pad



PL-3. Cracks in Concrete Pad Surface



PL-4. Historical Bronze Plaque



PL-5. Interior View of Fence with New Bottom Rails and Riprap, Looking West



PL-6. Fence Condition at Grade, Looking South



PL-7. Verified Signage Posted on All Sides of Fencing



PL-8. Fencing and Animal Burrowing, Looking North



PL-9. Reviewing Proposed Greenhouse Construction Drawings

6.0 References

DOE (U.S. Department of Energy), 2018a. *Landscaping and Maintenance Summary at the Burris Park, California, Site*, LMS/BRP/S19612, Office of Legacy Management, June.

DOE (U.S. Department of Energy), 2018b. *Burris Park, California, Site, Long-Term Surveillance and Maintenance Plan*, LMS/BRP/S12974, Office of Legacy Management, August.

DOE Policy 454.1, Use of Institutional Controls, U.S. Department of Energy, December 7, 2015.

Appendix A

2019 Annual Inspection Checklist, Burris Park, California, Site

This page intentionally left blank

2019 ANNUAL INSPECTION CHECKLIST BURRIS PARK, CALIFORNIA, SITE

Research and remediation was conducted by the University of California, Berkeley (UC Berkeley) on behalf of the Department of Energy (DOE, formerly the AEC) at the Burris Park, California, site (BPS) in the early 1960's. The site requires long-term surveillance and maintenance, specifically for residual Sr-90 located in the soil beneath the 42ft x 42ft concrete protective barrier. The Burris Park Long-Term Surveillance and Maintenance Plan defines how the DOE Office of Legacy Management will maintain the institutional controls and protective measures. DOE uses the checklist below to complete BPS inspections. Any significant actions required will be scheduled to be completed prior to or during the next inspection.

No.	ITEM	REQUIREMENTS	ACTION
1	Protocols	 Notify the following of the date of the inspection: Kings County Parks and Grounds – Tim Breshears CDPH Radiation Protection – Gonzalo Perez UC Berkeley, ESH – Jim DeZetter 	Notifications were made via email on 1/25/2019. Confirmed date with Tim in advance of notification. Roger Lupo of CDPH retired in Dec. 2018, so sent invite to gonzalo.perez@cdph.ca.gov (his replacement). Notification was also sent to Jim.
2	Access	Access to the site is restricted. The formal access agreement between the DOE and Kings County Parks and Grounds Division has been finalized.	 The formal access agreement was finalized on December 5, 2016 and remains in effect. Adhere to the Burris Park visitor requirements and follow the instructions of our escort.
3	LTSM Plan	 Current LTSM Plan (August 2018): Managing Site Records Responding to Stakeholder Inquiries 	Both the Burris Park LM Web page and the Site Fact sheet are reviewed and updated annually. Both were reviewed November 2018. No stakeholder inquires to date (January 27, 2019) since November 2014.

No.	ITEM	REQUIREMENTS	ACTION
		Managing Institutional Controls	Three institutional controls are captured as FIMS Assets: the protective concrete enclosure, the fence, and the bronze plaque. Their condition is updated annually and out-year replacement for the fence has been captured.
	Inspection of	• Annual Inspection- annual for first 3 years, and on a rolling 5-year schedule, thereafter.	2019 is the last of the annual inspection. Next inspection will occur in 2024. <i>Site Inspection addressed under Item 4.</i>
4	Specific Site Surveillance Features	Site Area A concrete containment structure with a 42ft x 42ft protective concrete cap entombs the remaining 20 millicuries of Sr-90.	Perform a walkover of the site area. Look for any integrity issues, (e.g., cracks, ponding water, burrowing animals, etc.).
		Pad will be cleaned as necessary, and inspected for cracks and integrity of structure. A radiological survey will be conducted every 5 years.	 Visually inspect the protective concrete barrier to ensure that: The pad does not contain deep cracks or concrete fragments, and The corners of the pad are intact.
		Soil area extending beyond fence-line has been returned to within the fence line during the March 2018 improvements.	 Visually evaluate the soil area around the pad to ensure that: Soil is not eroding or subsiding, No overgrown or deep-rooted, perennial vegetation is present, and
		vegetation within fence area will be removed.	• No rodent holes are within the fenced area.

No.	ITEM	REQUIREMENTS	ACTION
		Site Perimeter Fence The barbed-wire was removed from atop the fence and the fence and entrance gate were repaired in March 2018. A lock is installed on the gate to limit access.	 Visually inspect the 50ft x 50ft perimeter fence: Fence condition: good, average, or poor The gate opens and closes easily and is not bent or tilted, Area outside the fence: no clutter, no objects leaning against or attached to the fence, Check and note the condition of the lock.
		 Site Information Plaque and Signs The historical plaque was cleaned and checked to ensure it is secured to the pad. Existing signs along the fence were replaced by signs containing DOE's contact information. Locations: 1 information plaque describing the content of the containment, and 8 signs, 2 on each side of fence. 	Visually inspect the signage:Information plaque is present, secure and legible.

This page intentionally left blank

Appendix B

Plan of the Day/Plan of the Week and Job Safety Analysis

This page intentionally left blank



1. Authorized Activities

 $\hfill\square$ Plan of the Day/ X Plan of the Week

Site name:	Burris Park, California Site	Date(s) Work Authorized:	January 6 and 7, 2019
Work authorized	by: Michele Miller	Mandel	Digitally signed by Michele L. Miller Date: 2019.01.29 14:37:03 -05'00'

Site lead (print name)

Site lead (signature)

Item	Work Type	Nork Type Activity Description 1	Work Control Potoronoo ²	PIC ³	
No.	work type	Activity Description	Work Control Reference	Printed Name	Initials ⁴
1	X SBA 🗌 PBA 🗌 MWT 🗌 PAE	Wednesday morning of January 6, travel to Fresno, California.	Burris Park JSA, effective 1/29/2019	Michele Miller	MM
2	□ SBA X PBA □ MWT □ PAE	Wednesday, January 6, travel to Burris Park site and meet at front gate by 2:00 pm with Tim Breshears (Kings County Parks and Recreation Superintendent)	Burris Park JSA, effective 1/29/2019	Michele Miller	
3	X SBA 🗌 PBA 🗌 MWT 🗌 PAE	2:00pm: Team gathering and introductions: Kings County Parks and Recreation Superintendent, LM Site Manager, LMS contractor staff and guest(s).	Burris Park JSA, effective 1/29/2019	Michele Miller	
4	X SBA 🗌 PBA 🗌 MWT 🗌 PAE	2:15pm: Conduct overview of Burris Park Stewardship	Burris Park JSA, effective 1/29/2019	Michele Miller	
5	□ SBA X PBA □ MWT □ PAE	2:45pm: Initiate the pre-job safety briefing. Conduct JSA review when all parties arrive. Review the inspection checklist.	Burris Park JSA, effective 1/29/2019	Michele Miller	
6	□ SBA X PBA □ MWT □ PAE	3:00pm: Conduct Inspection, take photos, hold de- brief.	Burris Park JSA, effective 1/29/2019	Michele Miller	
7	SBA X PBA	4:15pm: Conclude Inspection, and open discussion on Long-term stewardship initiatives.	Burris Park JSA, effective 1/29/2019	Michele Miller	



8	Х ЅВА 🗌 РВА	4:45pm: Closing remarks then depart from Site and	Burris Park JSA, effective 1/29/2019	Michele	
	🗌 MWT 🗌 PAE	head to Airport early Thursday, Jan. 7		Miller	

¹ A description of the authorized work scope that is sufficient to define the operational envelope.

² This may be a brief verbal description, an MWT reference number, a procedure title or number (and step reference, if needed to define the work scope), a PAE title (and step reference, if needed to define the work scope), or a Job Safety Analysis (JSA) title or number.

³ The LMS Person in Charge of the activity and directing the work/workers at the activity level. Example PICs include: Construction Site Supervisor, Project lead, Operations lead or designee. ⁴ Application of initials indicates PIC understanding of authorized work and their responsibility for work performance.

SBA = Skill-Based Activity, MWT = Minor Work Task, PBA = Procedure Based Activity, PAE = Project or Activity Evaluation, PIC = Person in Charge



2. Safety, Radiological, and Environmental Precautions

- a) This section is used to document the dissemination of information to site personnel. This section may contain safety share topics; discussion of prior day/week lessons learned; formal lessons-learned review; timely orders, new or revised site-wide procedures, or JSAs (specify by listing or as a full brief of the document); review of field changes made to procedures or JSAs; required-reading list updates; or other general briefings the site lead deem appropriate. Note relevant changes in site conditions (e.g., weather extremes, visitors, abnormal conditions, new employees, new or non-routine activities).
- b) All workers have, and are expected to use, pause and stop work authority.
- c) All workers should notify their supervisor or Safety and Health representative of abnormal events, such as changed site conditions, vandalism, or discovery of cultural resources in the work area, etc.
- d) All workers must notify their supervisor and/or PIC immediately of any injury or potential injury, regardless of how minor it may appear at the time.
- e) Safety and Health must be contacted prior to entry into **any** permit required confined space.

No radiological protection is required. Sr-90 waste material is entombed and presents no dose exposure risk to inspectors.

3. Site and Project Contact Information—Names and Phone Numbers

This section should contain pertinent contact information and job assignments deemed necessary by the site lead. Examples of contact information include: site leads, project leads, operations leads, construction inspector, technical monitor, and site safety supervisor. If multiple projects or activities are being conducted, the site lead may determine that each project or activity include the respective positions. In this case, the site lead may elect to specify contact information for each project.

Page B-3

Michele Miller, LMS Site Lead

Primary Contact Number 412-818-7015 (mobile #)



4. Emerg	4. Emergent Work					
Emergent v activities. E	vork is new or additional work activities that are identified for mergent work cannot be performed unless it is authorized b	r performance. Emergent work requires t y the site lead.	he same level of planning	and authoriz	ation as normally approved	
Itom No	Work Type and Activity Description ¹	Work Control Potoronco ²	PIC ³		Authorization	
item NO.	work Type and Activity Description	Work Control Reference	Printed Name	Initials ⁴	zation as normally approved Authorization	
	🗌 SBA 🗌 PBA 🗌 MWT 🗌 PAE					
	SBA PBA MWT PAE					
	SBA PBA MWT PAE					
	SBA PBA MWT PAE					
	SBA PBA MWT PAE					

¹ A description of the authorized work scope that is sufficient to define the operational envelope.

² This may be a brief verbal description, an MWT reference number, a procedure title or number (and step reference, if needed to define the work scope), a PAE title (and step reference, if needed to define the work scope), or a Job Safety Analysis (JSA) title or number.

³ The LMS Person in Charge of the activity and directing the work/workers at the activity level. Example PICs include: Construction Site Supervisor, Project lead, Operations lead or designee.

Page B-4

⁴ Application of initials indicates PIC understanding of authorized work and their responsibility for work performance.

SBA = Skill-Based Activity, MWT = Minor Work Task, PBA = Procedure Based Activity, PAE = Project or Activity Evaluation, PIC = Person in Charge



Des	Descriptive title: Burris Park, California Site Inspection/Visit						
General LMS or Specific site:			Burris Park, California Site	Issuance date:	1/29/2019	Expiration date:	1/31/2020
			Work Scope (The scope stateme	nt must address the following	five questions.)		
1.	. What is the work being performed? Visual walkdown of the site, no field work planned.						
2.	Where is the work being performed?Conduct visual inspection ONLY . Which site(s)?Burris Park, CA. Inside or outside? Outside						
3.	3. When is the work being performed (i.e., exact date[s], month[s], season[s])? 2019 Site Inpsection to occur on February 6, 2019						
4.	4. What tools or equipment will be used? None						
5.	Who is perform	ing the work (co	ntractor, subcontractor, or both)? LM/L	MS inspection team			

(Use a	separate	sheet if	more	space	is	necessary)
	0000	0000.0.00			00000			,

Define the Scope of Work by Individual Tasks (ISMS Core Function #1)	Analyze the Safety and Environmental Hazards (ISMS Core Function #2)	Develop and Implement Controls (ISMS Core Function #3)
Driving to and from site	Accident or injury from improper maintenance on vehicle	 Perform and document vehicle inspection prior to use. Perform a 360 degree walk-around/inspection before moving vehicle.
	Other drivers	Employ defensive driving techniques and comply with driving regulations.All personnel in vehicle must wear seat belt.
	In car driving distractions	• Do not use cell phone, including hands free devices, while operating vehicle.
	Fatigue	 Take rest breaks from driving as needed. Do not drive for long periods of time without a rest break. Do not drive/work more than 15 hours per day



Define the Scope of Work by Individual Tasks (ISMS Core Function #1)	Analyze the Safety and Environmental Hazards (ISMS Core Function #2)	Develop and Implement Controls (ISMS Core Function #3)
Driving on site and/or off road conditions	Vehicle damage due to ruts, rocks and vehicle clearance	• Use a high clearance 4 wheel drive vehicle when driving off road or as necessary on site access roads.
		• Be aware of rough conditions (e.g. ruts, rock, well heads etc.).
		• Use a spotter as necessary when backing up or operating in tight spaces.
		.• Use caution when traveling on uneven/rough terrain.
		 Avoid areas of uneven/rough terrain if possible.
		Do not attempt to cross extreme surfaces.
 	Fire resulting from dry grass	Use discretion if traveling of road in grassy areas.
	contacting hot exhaust pipe	Avoid driving in grassy areas if possible.
		• If grass is determined to be dry, and tall enough to come in contact with hot exhaust pipe, do not attempt to drive in area.
Conducting site inspection/visit	Inclement weather	Check weather forecast for site vicinity prior to beginning inspection.
		Take appropriate clothing for weather conditions.
		• Be aware of rapidly changing weather conditions, particular lightening and strong winds.
		• Use the Flash-Bang method for counting the time from seeing a flash of lightening to hearing thunder.
		• For each 5 second count, lightening is approximately 1 mile away.
		 When the time interval is less than 30 seconds, work will stop and personnel will seek appropriate shelter.
		 Situation will then be reevaluated every 30 minutes.
		Be aware of flash flooding.
		 Know the topography around the site.
		• Avoid streams, gullies, arroyos or other drainage features when storms are occurring in the area.



Define the Scope of Work by Individual Tasks (ISMS Core Function #1)	Analyze the Safety and Environmental Hazards (ISMS Core Function #2)	Develop and Implement Controls (ISMS Core Function #3)
Conducting site inspection/visit	Illness caused by heat or cold	Know the symptoms of heat or cold stress.
(continued)	stress	• Use the buddy system to check for signs and symptoms of heat or cold stress.
		Take breaks as necessary.
		Maintain proper hydration.
		Use sun screen as necessary.
		Carry snacks appropriate for work activities
	Slips, trips and/or falls	Be aware of uneven terrain.
		Keep hands free when walking.
		Watch the area where walking.
		Move over suspect areas cautiously or avoid area if possible.
		Conduct inspection activities during daylight hours only.
	Injury from contact with animals,	• Be aware of snakes, insects, spiders and poisonous plants.
	insects and poisonous plants	• Know how to recognize poisonous plants and avoid contact when possible.
		• Wear appropriate clothing to prevent skin contact with poisonous plants.
		Use repellant when possible.
		Apply repellent to clothing, not skin.
		• If bitten by a venomous snake, call 911, and immediately wash the wound area.
		• Immobilize the victim and keep the wound lower that the heart if possible.
		Minimize the victim's movement.
	Damage to ears from noise	• Use the 3 M noise indicator NI-100 if available.
	exposure	• If 3 M noise indicator flashes red, hearing protection is required
		Avoid spending more time than necessary around/near loud equipment.



Define the Scope of Work by Individual Tasks (ISMS Core Function #1)	Analyze the Safety and Environmental Hazards (ISMS Core Function #2)	Develop and Implement Controls (ISMS Core Function #3)
Conducting site inspection/visit (continued)	Injury to hands, feet and eyes and general hazards	Wear ANSI Z87.1 safety glasses with side shields during all phases of work.
		 High visibility vest of clothing is recommended.
		Carry a fully charged cell phone at all times during inspection.



Define the Scope of Work by Individual Tasks (ISMS Core Function #1)	Analyze the Safety and Environmental Hazards (ISMS Core Function #2)	Develop and Implement Controls (ISMS Core Function #3)



JSA Review/Approval

Michele Miller	Madd	Digitally signed by Michele L. Miller ———————————————————————————————————	1/29/2019
Line Supervisor (Print Name)	1 1 11	Signature	Date
Michael McDonald	Death a. Newson	2019.01.29 10:53:07 -07'00'	1/29/2019
S&H Representative (Print Name)		Signature	Date
Darlene Depinho			1/29/2019
Environmental Compliance Representative (Print Name)		Signature	Date
n/a			
Subcontractor/Worker Representative (Print Name)		Signature	Date



I have reviewed, thoroughly understand, and will comply with this ISMS Core Functions Work Planning and Control document, as acknowledged by my signature below.

Print Name	Signature	Company	Date



Field Change Authorization and Review

Field Management Changes (use a separate sheet if more space is necessary)

Define New or Changed Scope of Work by Tasks (ISMS Core Function #1)	Analyze the New or Changed Hazards (ISMS Core Function #2)	Develop and Implement New Controls (ISMS Core Function #3)	Date

Line Supervisor (Print Name)

Worker or Subcontractor Representative (Print Name)

Signature

Signature

Date

Date



I acknowledge I have had the opportunity to provide input to the field change and am aware of the scope change, new or changed hazards, and associated work controls.

Print Name	Signature	Company	Date

Provide Feedback and Improvement Suggestions

Provide Feedback and Improvement Suggestions (ISMS Core Function #5)

This page intentionally left blank