

CUC Contractor/Subcontractor Health, Safety and Environmental Handbook

Environmental, Health & Safety Department Revised June 2018



This handbook is not a contract, either expressed or implied Reviewed by David Watler, VP Operations Revised by Joni Kirkconnell, June 2018



Message from Richard Hew, CUC's President and Chief Executive Officer

This CUC Contractor/Subcontractor Health, Safety and Environmental Handbook, has been developed out of the cumulative experience of many people involved in the operation of electric utilities. This handbook has been prepared and is distributed to provide all workers with a uniform set of Health, Safety and Environmental Standards and guidance in order to eliminate hazards and reduce risk of physical injury in the workplace and to meet the requirements of OHSAS 18001 and ISO-14001, internationally-recognised occupational health, safety and environmental management systems standards.

When the guidelines contained in this handbook are followed carefully, personal injury, injury to others, damage to equipment, lost time incidents and pollution to the environment can be minimised and/or eliminated. No set of guidelines, regulations, or procedures can replace the responsibility that rests with each of us to be constantly alert to the presence of hazards and dangers that could result in injury and/or damage to the environment, at our workplace and generally in our lives.

You owe it to yourself, your fellow workers, and your family to follow the guidelines and instructions contained in this manual.

J.F. Richard Hew

President and Chief Executive Officer Caribbean Utilities Company, Ltd.

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June 2018



EMS Form 1004: Employee/Contractor Orientation Receipt

This form is used to acknowledge receipt of having received Orientation training on the Environmental, Health, and Safety policies of CUC. Orientation training given by a qualified CUC employee to any person employed or contracted by CUC.

Name *Pleas	se Print Legible	Email Address* Please Print Legible
	ber	
I am a/an	Temporary Worker	Department
	■ Student	School
		I am a part of CUC's Vocational Programme
	☐ Contractor	Employer
		Job Title
		CUC Coordinator
	■ Employee	Employee No.
		Position Title
		Department
policies and p Further, I und	rocedures and that the inform derstand and agree that receiv	have been oriented on CUC's Environment, Health and Safety ation provided about me is accurate. ing the CUC Contractor Handbook and/or this orientation is it create or imply a contract of any kind, expressed or
Signature _		Date
Orientation G	iven By	Department EHS HR Other:
Signature		Date:
Rev: 3 Date Revised: I	May 5, 2016	

Revised By: A Agee Approved By: J Kirkconnell



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General Requirements for all Employees 100: Roles and Responsibilities

Contractor Coordinator

This is the CUC management representative that is responsible for your work, its planning and ensuring any safety requirements are met prior to work starting. He/she has authority to approve your job plan, inspect your crews at work and request any documentation that he/she determines is necessary in ensuring that you meet all necessary CUC requirements.

If you require access to CUC's assets (e.g. Power Plant, Substation) your Contract Coordinator will ensure all proper security and safety clearances have been met prior to your arrival.

Safety Officer

This is the contractor representative who is responsible under Cayman Law to provide site orientations and ongoing safety programming as required to all contract staff at a worksite. The Safety Officer is required to have the requisite knowledge, training and experience to recognise the hazards of the work and provide guidance on procedures and barriers to be used in controlling these hazards.

The Contractor's Safety Officer should be clearly identified on your daily job planning form.

For more information see *The Labour Law – Construction Industry Regulations 201120112011 Part II, Section 4.*

Safety Specialist

This is the CUC representative who is responsible for ensuring that adequate procedures and programming are in place to identify the hazards of the workplace and create controls/barriers as required for CUC's workers. This includes ensuring that this handbook is maintained and available for all CUC contract staff.

Supervisor

This is the contractor representative who will be responsible for *organising the work* at the worksite each day. The supervisor may conduct the pre-job hazard review (tailboard) or he/she may delegate this task to a competent individual. The Contractor's Supervisor shall be available to discuss any concerns workers or visitors to the site have regarding safety.



101: Job Planning

All work must be properly planned, taking into account all *workers*, the general public, *approved work procedures*, equipment, and the physical and environmental conditions at the *workplace*. The purpose of this process is to establish a *safe work area*, by identifying the job steps, hazards and appropriate barriers. The steps to be taken in case of an *emergency* shall also be documented. Job plans shall be available upon request at all job sites and be kept on file for a minimum of 12 months.

It is expected that the contractor has their own job planning procedure - including appropriately detailed forms for use in the field. These forms shall be archived and made available to the Contract Coordinator on request.

Regardless of the type of job planning tool used - the following items shall be included in every job plan:

- Date and location of the work
- Brief summary of the overall job to be completed (can use a work order number if available)
- Names of staff present
- Name and signature of the supervisor or designate
- Major job steps
- Major hazards identified
- Listing of all procedures/barriers used to control/minimize risk

To View Job Planning Forms – see ATTACHMENTS

102: Safety Meetings

It is expected that CUC contractors conduct safety meetings at reasonable, documented intervals.

These meetings are opportunities for workers to discuss safety concerns in a more formal setting without having to be concerned about their work performance. These meetings can take many forms, but at a minimum, they must have documented minutes and those minutes must be made available to your CUC Contract Coordinator on their request. How you conduct your safety meetings is at your discretion, but to provide some guidance here are sample discussion points you may choose to use as a standing agenda:



- Review past or current incidents
- Review any work observations and their safety implications
- Review any new safety policies/procedures
- Invite your CUC Contract Coordinator to review safety concerns
- Review the safe operation of any new tools
- Provide a round table discussion for all to present any safety issues/concerns they may have

103: Inspections/Work observations

It is expected that CUC contractors conduct workplace inspections/observations at reasonable, documented intervals.

These inspections can take many forms, but at a minimum, they must be documented and be made available to your CUC Contract Coordinator on request. How you conduct your inspections is at your discretion, but to provide some guidance, here are sample inspection points that you may choose to include in a form for your use (or as guidewords to assist in directing your inspection):

- Check the daily job plan ensure that adequate detail is shown for high risk tasks and the method used to control these risks.
- Review traffic protection needs and go over the requirements in this handbook.
- Review any special PPE requirements chaps, ballistic nylon, FR Clothing, hearing, etc.
- Talk with new or young workers go over the job plan with them again and ensure that they were given adequate time to review and understand the requirements

104: CUC Safety Reporting Requirements

It is expected that CUC contractors report all incidents/accidents/near misses/spills and any hazards. Do not assume that the incident is too minor to report. Please report all concerns to your own supervisor and your CUC Contract Coordinator immediately. CUC expects that you will conduct your own investigations and develop your own incident report with any corrective actions handled in a timely manner. CUC reserves the right to request a copy of your internal report and to see progress made on your corrective actions. CUC may determine that it needs to conduct its own investigation and expects full cooperation from contract staff during such an event.

Reporting and dealing with reported concerns can have a large positive effect on your safety performance and culture. Help CUC foster a culture where reporting near misses (or near 'hits') is a positive learning experience.



105: Housekeeping

It is expected that when working for CUC, contractors will keep their work areas as organised as is reasonable given the work and environment. This includes, but is not limited to the following considerations:

- Store trash in proper containers
- Ensure chemicals are used, stored and disposed of as per manufacturer and regulation requirements
- Keep walkways clear ensure pedestrians have a clear, safe area in which to move
- When working at height ensure that small tools, debris cannot be accidentally dropped
- When working on customer/resident properties ensure the utmost care is taken to minimize damage and ensure the site is left in a clean, safe condition

106: Personal Protective Equipment (PPE)

From The Labour Law - Construction Regulations 201120112011

- 1. Hard hats: Approved hard hats meeting specifications contained in ANSI Z89.1-1981 or Z89.2-1971, or both, shall be worn by all operatives on open construction sites and at all times where there is a risk of head injury from falling objects and where instructed by the Safety Officer. All CUC work locations require approved head protection.
- **2. Safety Glasses and Goggles:** Safety glasses or goggles which meet ANSI Z87 or equivalent shall be worn by all operatives whenever and wherever flying debris is likely and where instructed by the Safety Officer.

All CUC work locations require approved safety eye protection.

- **3. Prescription glasses:** Operatives shall supply their own prescription glasses and wear them. The glasses shall either meet ANSI Z87 or equivalent, or suitable eye protection shall be worn over them.
- **4. Gloves:** Gloves shall be worn when handling equipment, materials or chemicals that may cause cuts or skin complaints and where instructed by the Safety Officer.
- **5. Footwear:** Safety steel toe-cap footwear shall be required by the Safety Officer where and when he determines that there is an increased risk of foot injury. All CUC work locations require approved safety footwear.



6. Non-operatives: Non-operatives (company office staff, project owners, architects, engineers, government inspectors, guests and all others) shall wear such safety protection as is determined by the Safety Officer to be necessary at any given time, based upon his assessment of the level of risk at that time.

CUC's PPE Requirements (in addition to those above)

- **7. Hearing Protection:** For work in areas where the noise level exceeds 85db, appropriate hearing protection is required to lower the levels below 85db. This includes work with or around chainsaws and wood chippers as well as identified areas within the CUC production facility.
- **8.** Arc and Flame Rated Clothing: A minimum of HRC-1 protective clothing is required where the potential exists for flash fire exposures. As a minimum, HRC-2 protective clothing is required where exposure exists where electrical hazards may be encountered.

Note: Please consult with your CUC Contractor Coordinator to ensure appropriate protective clothing is worn as determined by a hazard assessment.

- **9. Face Shields:** For work involving making or breaking load in flash areas or when specialised tools are being used which would require extra protection (e.g. grinders, meter removal). Face shields shall be worn with a minimum HRC 2 level of protection and meet all ANSI specifications for impact resistance.
- **10. Insulated Rubber Gloves:** For work within proximity to energised equipment. The gloves must meet the appropriate ASTM voltage class rating and have a valid test date clearly visible on the glove. Approved leather protectors must be used at all times and gloves shall be stored properly after use.
- **11. Leg Protection:** Appropriate leg protection (chaps, ballistic nylon) shall be worn when operating a chainsaw.
- **12.** Traffic Protection / High Visibility Clothing: Appropriate high visibility clothing shall be worn when working on roadways and when working in the confines of CUC's Power Plant facilities. If working at night, appropriate retro-reflective (silver) striping shall be present on the garment.

107: Environmental

It is expected that when working for CUC, contractors will adhere to all applicable environmental requirements. These include, but are not limited to, the following:

- Proper handling and disposal of all rags and other absorbents used to clean hydrocarbon spills
- When bringing chemicals of any description onto CUC worksites prior approval is required



• Approval requirements include procedures for proper handling, storage and transportation of your chemicals and the availability of material data sheets (MSDS) for CUC review

Discuss with your Contract Coordinator if you are unsure of your environmental responsibilities.



Requirements for Specific Work Environments 200: Work in the Vicinity of Energised Electrical Power Plant

Limits of Approach

For all workers who are not authorised by CUC, the following chart shows the minimum clearance distances allowed between any exposed energised equipment and the worker (if workers are holding tools, this is the minimum clearance between the tool and the energised piece).

It is expected that the contractor will have an observer on the ground watching these distances to ensure that they are not encroached upon.

Voltage	Minimum Safe Distance
All secondary (600 volts and below)	40 inches*
Primary Distribution (up to 15,000 volts)	10 feet
Transmission (69,000 volts)	16 feet

^{*}Only permitted with previous agreements with CUC - otherwise 10 feet.

In cases where these limits must be encroached upon to complete work, CUC will provide the necessary work protection and supervision to complete the task.

Note: The installation of rubber cover-up DOES NOT PERMIT you to encroach on these limits without permission.

Live Line Work Permits

During your work at CUC, you may be working in proximity to lines which have been identified as being under the control of a LIVE LINE WORK PERMIT.

Note: If you require a Live Line Work Permit to perform your work, your CUC Contract Coordinator will arrange for an authorised CUC permit holder to request and hold the permit for you.

For detailed information on this type of permit and if it is required for your work, discuss **prior to work starting** with your CUC Contract Coordinator. The following information is provided as reference only.

Before authorised CUC workers are permitted to perform work within the previously discussed Safe Limits, they may be required to request a Live Line Work Permit. This permit requests that the controlling authority at CUC remove the ability for a live line to automatically re-energise when a faulted condition is seen by the system. This normal auto "reclose" feature is what allows lines to



remain energised during heavy winds or when other transient problems arise on the system. Without this feature the Island would experience brownouts or blackouts on a regular basis.

When these auto-reclosing devices are setup in a live line work permit, the auto feature is disabled and the reclosing device will become 'locked' when it sees any discernable fault on the system. The protection provided is not for the workers on the line, but it prevents the system from burning itself up if a fault exists.

This needs to be restated. A live line work permit (or Hold Off) provides no personal protection for workers. It is for equipment protection only.

Contractor Work Protection – Permits to Work

Note: If you require a CLEARANCE to perform your work, your CUC Contract Coordinator will arrange for an authorised CUC permit holder to request and hold the clearance for you.

Prior to any work being performed by a contractor **requiring a guarantee of isolation on a system device**, a *Permit to Work* form shall be completed and issued by a CUC coordinator to the contractor. This form will include an assessment of the risk of the proposed work and will outline all isolation procedures required to ensure the safety of the project.

The contractor shall conduct a pre-job hazard assessment of the work area and complete a job plan outlining the needed isolation necessary for the work. This must be agreed to by the contractor and CUC engineering personnel.

Upon agreement of the required work protection by the contractor and CUC engineering – authorized CUC personnel will perform the necessary switching, isolation, grounding and tagging of equipment, following the issuance of an approved Switching Order by the CUC controlling authority.

A Permit to Work is required for the following prior to starting the work:

- Work under a clearance or Live Line Work permit
- Work in a confined space
- Work requiring lockout/tagout for all energy forms (mechanical, hydraulic, pneumatic, chemical, steam/water, high pressure gas)
- Hot work

^{*} Note: Before CUC can issue a clearance or guarantee of worker protection, there must be the requisite *Permit to Work* completed by the contractor and their CUC engineering contact.



Tree Trimming and Line Clearing (Bushing)

The following is related to trimming/felling trees when the Safe Limits of Approach must be encroached (by workers, vehicles/booms or extensible pole pruning equipment). This means that these rules only apply to contractors authorised to work within proximity to energised equipment by CUC:

- A Live Line Work Permit must be in effect whenever there is the possibility of contact, between vegetation and an energised high voltage line.
- When trimming in proximity to energised lines at 69 kilovolts (kV), trees or portions of trees
 encroaching on limits of approach shall be removed with the circuit de-energised and
 grounded (i.e. with a Clearance in effect).
- In such situations the CUC Clearance holder will apply safety grounds at the work site, place barriers as necessary, and ensure that the work to be undertaken does not create hazards to life, property or service.
- Contractors cannot start work until CUC's Clearance holder has explained the hazards involved and has ensured that the work group understands the parameters of the safe work area. This discussion shall be documented and signed off by the CUC Clearance holder during the daily job plan.
- Tree trimming and clearing near energised conductors may only be performed by authorised CUC employees or those individuals trained and authorised by CUC.

201: Working at Heights

Working at height (above 6 feet¹) requires that workers employ one of three approaches to fall protection. ²

Listed from most to least complex:

- Travel Restraint Limiting (by any means necessary, including ropes, guardrails, visible barriers, body belts) the workers ability to access an area where he/she could free fall more than 6 feet.
- Work Positioning / Fall Restriction To be used when the worker is using a structure (including permanent or properly secured ladders) as a work platform. This approach considers that the platform is providing a layer of fall protection on its own, so less engineered

¹ The Labour Law – Construction Industry Regulations 2011 Part VI, Section 13.

² This is a detailed topic that requires training and equipment. The intention of this guide is to reinforce these concepts only.



- approaches to fall protection can be employed. A common example is the use of a simple body belt and lanyard to maintain work positioning on a ladder.
- Fall Arrest A fully-engineered and appropriately rated system. The system commonly includes a full-body harness with appropriate attachment points, properly rated multi-action connectors and a shock absorbing lanyard. This must be used whenever a potential free-fall risk exists and when working in specific high-risk work environments (e.g. working from a bucket of an aerial device and working in a confined space).

From The Labour Law – Construction Regulations 2011 and CUC Safety Policy

EQUIPMENT	REGULATORY REQUIREMENT
Scaffolds	 A scaffold shall be used where there is no solid construction to stand on and where the work cannot be done safely while standing on a ladder. Manufacturers' guidelines shall be followed at all times. A scaffold shall be erected only by trained individuals. Unstable objects or makeshift devices to increase the working height of a scaffold shall not be used, and portable ladders as a means of increasing the working height may be used only after the Safety Officer has determined that the stability of the structure has not been compromised and adequate fall protection is in place. Straddling, standing on, or working outside of, the guardrail is prohibited. A worker shall not position himself, or use tools or equipment, where there is a possibility of contacting an energized overhead line; if any portion of the body of the worker will or is likely to come within 20 feet of an energized line, an electrical utilities provider shall be contacted for additional requirements.
Fall Arrest Systems	 A safety harness and lanyard shall be worn in any of the following circumstances on all scaffolds with incomplete decking or incomplete guardrails; on sloping roofs; within 6 feet of the edge of floors or roofs where there is no edge protection;



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	in any unprotected elevated position 6 feet or more.
	Further requirements
	The operator of a workplace shall ensure that a worker using a harness or lanyard is trained to wear it correctly and to use it safely.
	A lanyard shall be fastened to the full body harness and secured to an objectthat is capable of holding 5, 000 pounds
	A lanyard shall not allow a fall of 5 feet or more.
	A harness or lanyard shall be inspected daily by the person using it.
Ladders	A ladder shall be inspected prior to use.
	A ladder with loose, broken or missing rungs, split or bent side rails, or other defects shall be removed from service.
	A ladder (other than a stepladder) shall extend approximately 3 feet above a safe landing or parapet wall.
	A ladder shall be set up with a 4-vertical to 1-horizontal slope.
	A metal ladder or wire-reinforced wooden ladder shall not be used near an energised electrical conductor.
	Regarding Stepladders:
	 Spreaders shall be locked in place and legs fully extended. The top two steps of a stepladder shall not be used for standing. Stepladders shall be used at 90 degrees to the work; not adjacent to the work.
Aerial Devices	Aerial devices/boom trucks shall be operated within:
	the limitations of the manufacturers' specifications;
	current legislation; and
	the Safe Limits of Approach
	 Aerial devices/boom trucks shall be visually inspected for structural, mechanical and hydraulic defects, including holding valve checks, each day, prior to the equipment being used. These inspections shall be performed in



accordance with manufacturers' specifications and current legislation, and shall be documented.

- Workers shall not be allowed to remain in the bucket of an aerial device during emergency lowering operations when pressure on the hydraulic system is manually released.
- An approved safety harness attached to an approved lanyard system, shall be worn by any employee in the aerial device.
- Insulated aerial lift vehicles and equipment used for rubber glove work, <u>must</u> <u>be tested and approved</u>.

202: Working on Roadways

From The Labour Law – Construction Regulations 2011

- 25. (1) Where a hazard exists, signs, signals and barricades warning of that hazard shall be put in place and be visible at all times.
 - (2) A Street, road, highway or other public thoroughfare that is closed to traffic shall be protected by barricades on which shall be placed secure and highly visible warning signs or signals.
 - (3) Barricades shall be located at the nearest intersecting street, road, highway or other public thoroughfare on each side of the blocked section.
 - (4) Open trenches and other excavations at locations referred to in paragraph (2) shall be provided with suitable signs, signals or barricades to ensure adequate protection to the public; obstructions such as piles of materials and equipment shall be provided with similar warnings.
 - (5) The barricades and obstructions referred to in this regulation shall be illuminated by means of warning signs or signals from sunset to sunrise.
 - (6) Materials stored on or alongside a street, road, highway or other public thoroughfare shall be so placed, and the work at all times shall be conducted, so as to cause minimum obstruction and inconvenience to the public.
 - (7) Anything that is placed due to a hazard shall be removed when the hazard no longer exist.



Working on Cayman roadways and thoroughfares requires the application of reasonable traffic control methods. Always err on the side of caution regarding traffic control. If you decide that the level of control is more than what is necessary for your safety, you can remove cones/shorten tapers to accommodate after watching traffic response.

Many roadways in Cayman are too narrow to allow for working vehicles to be present and allow the free flow of traffic. If you are concerned about your level of traffic control **stop work immediately, review the job plan and discuss alternatives.**

These may include but are not limited to:

- Starting work at a less busy time of day
- Requesting a road closure with traffic control persons present (flagmen)
- Requesting RCIP officers in busy intersections/roadways to assist in controlling the flow of traffic.

The following are guidelines to assist in your job planning process. If you have concerns, please contact your CUC Contract Coordinator for clarification.

- Workplace barriers around vehicles should consist of at least ten (10) cones for heavy-duty vehicles and at least eight (8) for other operational vehicles. This includes applicable space for tapering or guiding traffic when applicable.
- Wherever possible, barriers around vehicles shall be on the traffic side and shall be at the front
 and the rear sections of the vehicle to alert oncoming traffic. These barriers shall consist of
 both signs and cones.

(See attachments for Sample Traffic Setups)

203: Chainsaws and Wood Chippers

Chainsaws:

- 1. Gasoline-powered chainsaws shall be equipped with an anti-kickback chain or device and a chain brake.
- 2. Workers must be trained and competent in the use and maintenance of chainsaws.
- 3. No one other than the operator shall be within 6 feet of a chainsaw in operation.

See Section 106: Personal Protective Equipment for protective clothing requirements.



Wood Chippers:

- 1. Prior to servicing, the ignition should be in the off position and the key removed or the chipper shall be otherwise rendered inoperable.
- 2. See Section 106: Personal Protective Equipment for protective clothing requirements.
- 3. Workers shall not stand or walk directly in front of the exhaust chute when the chipper is operating.
- 4. When feeding brush into a chipper, workers shall wear loose fitting gloves and stand to one side of the feeder chute to prevent injury due to kickback.
- 5. Do not use hands or feet to push brush past the face of the feeder chute.
- 6. Do not tamper with any safety interlocks / devices installed by the manufacturer for worker safety.

204: Trenching and Shoring

From The Labour Law - Construction Regulations 2011, Section 28.

- Excavations and trenches shall be inspected by a Safety Officer daily and after every significant rainfall to determine if they are safe.
- Ladders or steps shall be provided in all trenches 4 feet or more in depth and shall be located so as to require no more than 25 feet of lateral travel before having access or egress.
- Material excavated shall be stored at least 2 feet from the edge of the excavation or trench and shall be stored so as to prevent material from falling into the excavation.
- All trenches and excavations shall be barricaded during times when no work is taking place to prevent persons from walking into them.
- A barricade may consist of steel reinforcing rods driven into the ground with caution tape strung between.

205: Working within CUC's Production Facilities

Security Access

Unless your work requires a specific guarantee of isolation under a *Permit to Work* (Section 200: Contractor Work Protection – *Permits to Work*) access to CUC's facilities is approved by your CUC Contract Coordinator. It is his/her responsibility to ensure that CUC's Security Department is notified of the date of your arrival, your contact details and the nature of your work prior to your arrival at CUC.



Your CUC Contract Coordinator (or his/her delegate) will review any site-specific safety requirements with you and CUC's Security Department prior to your first work date.

You will be required to sign in/out each day at CUC for the duration of your contract and follow any directions by CUC's Health & Safety Department, CUC's Security Department and your CUC Contract Coordinator.

Blue and Red Zones

CUC's Power Plant and facilities are separated by a controlled fence and through internal procedures. If your contract requires you to enter the controlled areas of CUC – your Contract Coordinator (or delegate) will provide a site orientation which will include necessary Personal Protective Equipment specific to the identified zones at CUC. The site is clearly marked with PPE requirements as a reminder after your orientation. As always, CUC security is available to answer further questions regarding the site upon your arrival.

A list of Red Zone areas include:

- All Engine Rooms;
- The interiors of substations: North Sound (69kV and 13kV), Hydesville, South Sound and Frank Sound;
- Within the fenced boundary of the Prospect, Bodden Town, Seven Mile Beach and Rum Point Substation;
- External fuel terminals;
- Fuel pipeline (whilst working near fuel pipeline);
- · T&D lines and equipment.



RED ZONE – areas past "zoo" gates including Control Room, Engine Rooms, Substation, Fuel Tanks, and the surrounding areas.

Requirements for the RED ZONE are:

- Head protection
- Eye protection
- Foot protection
- Hearing protection
- Hi-Vis clothing or vest
- Flame Resistant clothing (HRC 2 or higher)



BLUE ZONE – includes Security, Fleet garage, Lines Department, parking area between Lines and Stores buildings, Contractors building, and pole yard.

Requirements for the BLUE ZONE are:

- Sturdy Footwear (no slippers or exposed toes)
- · High visibility clothing or vest
- Head protection, eye protection, and hearing protection as deemed necessary based on the hazards present.



List of Attachments

Samples of

- Job Planning Form 1A/B Production Division
- Job Planning Form 2A/B Transmission & Distribution
- Job Safety Analysis Form 3A/B
- Incident Reporting Form 4A
- Traffic Protection Set-ups with minimum Requirements 5A 5E
- Worksite Observation Assessment Sheet Form 6A/B



Sample of Job Planning Form 1A - Production Division

You've got the power				Production Division Job Planning Form	
Emergency Contact	Numbers:	C	hannel	Other:	
		Discussed		on Site:	
Location of Muster Position Supervisor:	Juit:		Tailboard Design	h visibility clo	thing
7.1.m.:				d hats, safety	
Job/Project:				sses and othe	
				propriate PPE	
			be	required depe	nding
			upo	on work activa	tes.
		Protec	ction Type		-
☐ Control Room Notif	ĭed ☐ Self- Protection	☐ Isolation	n Point(s)		☐ No Protection Required
Switching Order(s):	_				
☐ Chemical(s) Used:					
☐ Specialty Tools / Eq	uipment:				
		Issued to):	Date:	
			o:d to Consider	Date:	
		We Nee		Date:	
Clearance Number:	Electricity Live Apparatus	We Nee	d to Consider are & Equipment nent Failure	Environment Fording of Water Bodie	Energy Source
Clearance Number:	Electricity Live Apparatus Induction/Back Feed	We Nee Hardw Equipm Tension	d to Consider are & Equipment nent Failure n Loads/Springs	Environment Fording of Water Bodie All Terrain Vehicles	Energy Source S Water Pressure Air Pressure
Clearance Number:	Electricity Live Apparatus Induction/Back Feed Second Point of Conta	We Nee Hardw Equipm Tension Hoistin	d to Consider are & Equipment ent Failure n Loads/Springs g and Rigging	Environment Fording of Water Bodie All Terrain Vehicles Water Bodies	Energy Source Swater Pressure Air Pressure Noise Levels
Clearance Number:	Electricity Live Apparatus Induction/Back Feed	We Nee Hardw Equipm Tension Hoistin Overhe	d to Consider are & Equipment nent Failure n Loads/Springs	Environment Fording of Water Bodie All Terrain Vehicles	Energy Source s Water Pressure Air Pressure Noise Levels Excavations
Clearance Number:	Electricity Live Apparatus Induction/Back Feed Second Point of Conta Ground Gradients	We Nee Hardw Equipm Tension Hoistin Overhe	d to Consider are & Equipment ent Failure Loads/Springs g and Rigging ad Cranes roperly Secured	Environment Fording of Water Bodie All Terrain Vehicles Water Bodies Emergency Response	Energy Source s Water Pressure Air Pressure Noise Levels Excavations
Clearance Number:	Electricity Live Apparatus Induction/Back Feed Second Point of Conta Ground Gradients Arc/Flash Potential Min. Approach Distances	We Nee Hardw Equipm Tension Hoistin Overhe Load P Moving Sharp C	d to Consider are & Equipment ent Failure n Loads/Springs g and Rigging ad Cranes roperly Secured g Parts Objects/Tools	Environment Fording of Water Bodie All Terrain Vehicles Water Bodies Emergency Response Hydrocarbon Spill/Leal	Energy Source S Water Pressure Air Pressure Noise Levels Excavations Hydraulic
Work Environment Other Work Groups Contractors Public Safety Weather Conditions Remote Locations Communications Certifications Confined Spaces	Electricity Live Apparatus Induction/Back Feed Second Point of Conta Ground Gradients Arc/Flash Potential Min. Approach Distances Vehicle Grounding	We Nee Hardw Equipm Tension Overhee Load Pr Moving Sharp C Rotatin	d to Consider are & Equipment ent Failure n Loads/Springs g and Rigging ad Cranes roperly Secured g Parts Objects/Tools g Machinery	Environment Fording of Water Bodie All Terrain Vehicles Water Bodies Emergency Response Hydrocarbon Spill/Leal	Energy Source S Water Pressure Air Pressure Noise Levels Excavations Hydraulic
Clearance Number:	Electricity Live Apparatus Induction/Back Feed Second Point of Conta Ground Gradients Arc/Flash Potential Min. Approach Distances	We Nee Hardw Equipm Tension Hoistin Overhe Load P Moving Sharp C Rotatin Chain S	d to Consider are & Equipment tent Failure the Loads/Springs g and Rigging ad Cranes roperly Secured g Parts Objects/Tools g Machinery Saws	Environment Fording of Water Bodie All Terrain Vehicles Water Bodies Emergency Response Hydrocarbon Spill/Leal	Energy Source S Water Pressure Air Pressure Noise Levels Excavations Hydraulic
Work Environment Other Work Groups Contractors Public Safety Weather Conditions Remote Locations Communications Certifications Confined Spaces Moving Vehicles/Equip.	Electricity Live Apparatus Induction/Back Feed Second Point of Conta Ground Gradients Arc/Flash Potential Min. Approach Distances Vehicle Grounding	We Nee Hardw Equipm Tension Hoistin Overhe Load Pr Moving Sharp C Rotatin Chain S Brush S	d to Consider are & Equipment tent Failure in Loads/Springs g and Rigging ad Cranes roperly Secured g Parts Debjects/Tools g Machinery Saws Saws	Environment Fording of Water Bodie All Terrain Vehicles Water Bodies Emergency Response Hydrocarbon Spill/Leal	Energy Source S Water Pressure Air Pressure Noise Levels Excavations Hydraulie
Clearance Number:	Electricity Live Apparatus Induction/Back Feed Second Point of Conta Ground Gradients Arc/Flash Potential Min. Approach Distances Vehicle Grounding	We Nee Hardw Equipm Tension Hoistin Overhe Load Pr Moving Sharp C Rotatin Chain S Brush S	d to Consider are & Equipment tent Failure the Loads/Springs g and Rigging ad Cranes roperly Secured g Parts Objects/Tools g Machinery Saws	Environment Fording of Water Bodie All Terrain Vehicles Water Bodies Emergency Response Hydrocarbon Spill/Leal	Energy Source S Water Pressure Air Pressure Noise Levels Excavations Hydraulie



Sample of Job Planning Form 1B - Production Division

Hazard Ranking Legend (H) High. Can result in retaility or permanent disability (H) Heldin. — Can result in interporary disability (I) Low. — the result in interporary disability (I) Low. — the result in interporary disability (I) Had result in interporary disability (I) Had box with high hazard retaings (H) SHAL require one primary control barrier and one secondary barrier either control or safety. If these two barriers are not in place then NO work SHALL take place.	I barrier and one secondary nen NO work SHALL take place		Control Ba Eliminate Safety Bar Wear pro Support Bi	Control Barrier. Leds to prevent the release of au unwanted energy flow Eliminate the hazard Minimize energy to safe level Safety Barrier. Used to protect worker in the event of an unwanted energy flow The protective equipment in taxial warning develoces Minimize chance for error Support Barrier. Used to improve the effectiveness of Control and Safety Barriers Work procedures Provide training Provide supervision Identify hazards only	ed energy flow mwanted energy flow mwanted energy flow Munimate chance for error rtroil and Safety Barriers entroil and Safety Barriers nervision	
inh Ctane		Hazard	Hazard Rating	Control Barriers	Safety Barrier	Support Barrier
oct has					ionina fana	
				2		
It is the Responsibility of Crew Foremen to Ensure that the Job Steps Plan Created and Reviewed by all Workers involved. If Conditions Change, then Review and Revise the Job Safety Plan.	the Job Steps Plan Crea Safety Plan.	ited and Reviewed by all Worker	rs involved	· ·		
		Emp	Employee Sign Off	gn Off		
Name			Signature	ure	Date	Present at Tailgate



Sample of Job Planning Form 2A - Transmission & Distribution Division

		UC ne power				missior anning		tribution
SUPE	RVISOR:		DATE:	-	Esti	mated time:		
W/O	#		Job Being Perfo	rmed:				, .
☐ Ov ☐ Sw ☐ Cr Traffic Requi	ritching and ew compler c Control: La red□	d crew focus I Grounding p ment, qualific ane Block□ S	for the day lans (if applicable) cations and experience houlder Partial Ful heck prior to daily use	I□ Beacons/FI	ashers□ Sig	gns□ Cones〔	□ Flag Perso	ons
Crew	Leader:		Crew Members:				3	
Eme	rgency Co	ntacts: 911	Line Dis	patch: 914-	1187	Control R	oom: 914	-1170
			Job Sit	e Discuss	ion	Radio Fre	quency: 5	5-1
WORK PROT		□ A □ eder#:	Job Sit	Time Off	Work Per		Self Pro	
lon – Reclose			□ N/A Time On		Work Per		Self Pro	
Non – Reclose		eder#:	□ N/A Time On	Time Off ENTIFICATION Mecha	Work Per ON LIST anical	mit # Kinetic/\	Self Pro	tection Other
Non – Reclose □	☐ Live ap ☐ Inducti feed ☐ Static of	Elect paratus on / Back charge d gradients otential ground	HAZARD ID ricity Second Point of Contact Ground Gradients Arc/Flash Potential Min. Approach Distances Vehicle Grounding Equipment Grounding	Time Off Mecha Entification Equipme Tension /springs Moving Sharp ob Deterior structure /	Work Per DN LIST anical ent failure loads parts parts parts ation of apparatus	mit#	Self Pro	tection
Gravity Falling rom heights Falling shiplects structures Dangerous	Live ap Inductifeed Static Color Flash p Undergutilities Step po	Elect paratus on / Back harge g gradients otential ground tential	HAZARD ID ricity Second Point of Contact Ground Gradients Arc/Flash Potential Min. Approach Distances Vehicle Grounding Equipment Grounding	Time Off Mecha Entification Bequipme Tension /springs Moving Sharp ob Deterior structure /	Work Per DN LIST anical ent failure loads parts parts parts ation of apparatus	Minetic/ Traffic c Driving Moving loads Vehicle	Self Pro	Other Confined space Flammable or explosives Chemicals Asbestos Extreme heat / cold Pressurized



Sample of Job Planning Form 2B - Transmission & Distribution Division

High/ Med/Low Med/Low Chemical- De-energize / Ground Med/Low Kinetic-Barricades/ Closures Kin Kinetic-Barricades/ Closures Kin Kinetic-Barricades/ Closures Kin Kinetic-Barricades/ Closures Kinetic-Barricades/ Cloudes/ Closures Kinetic-Barricades/ Closures Kinetic-Barricades/ C	Add By State PLANNinate the hazard – minimize the energy to safe levels – physical barriers Safety Barrier = Personal protective equipment – warning device – minimize chance of error Support Barrier = Written procedure – training – supervision/observer – identify the hazard only (i.e. be careful)	physical barriers e chance of error entify the hazard only (i.e. be careful)
It is the Responsibility of Crew Foremen to Ensure that the Job Steps Plan Created and Reviewed by all Workers involved. Crews Sign Off Crews Sign Off	Safety Barriers Electrical- Rubber Gloves/PPE's Chemical- Gas Monitoring Respiratory Kinetic-Visible Clothing Signs, Cones, Flagger	Support Barriers Electrical - Entry Permit Sequence Chemical - Trades Qualification, First aid Training Kinetic- Designated Spotter, Live Line Permit
It is the Responsibility of Crew Foremen to Ensure that the Job Steps Plan Created and Reviewed by all Workers involved. Crews Sign Off Record of Job Changes (All		
t is the Responsibility of Crew Foremen to Ensure that the Job Steps Plan Created and Reviewed by all Workers involved. Crews Sign Off Record of Job Changes (All		
t is the Responsibility of Crew Foremen to Ensure that the Job Steps Plan Created and Reviewed by all Workers involved. Crews Sign Off Crews Sign Off		y.
is the Responsibility of Crew Foremen to Ensure that the Job Steps Plan Created and Reviewed by all Workers involved. Crews Sign Off Crews Sign Off		
Is the Responsibility of Crew Foremen to Ensure that the Job Steps Plan Created and Reviewed by all Workers involved. Conditions Change, then Review and Revise the Job Safety Plan. Crews Sign Off Record of Job Changes (All		-
	lved.	
	Record of job Changes (All crew members sign off)	



Sample of Job Safety Analysis Form 3A

Department Coup Name: Bidg Area Location State Perceptivements: Chical Hat. Close Debate Department Couper Perceptivements: Chical Hat. Close Debate		Job / Activity Name: Extend Weather head		MIO & BREEFERS	Start Date:00/00/00	Valid Through:00/00/00
Scope of Work Order Attached) Exiend weather head and replace service wire on pole # azard Identification List: SELECT HAZARDS ASSOCIATED WITH TASK azard Identification List: SELECT HAZARDS ASSOCIATED WITH TASK 1 Falling from heights Falling objects / structures Dangerous trees live apparatus exposed energized conductors Limits of approach Underground utilities Traffic conditions 1 Area Set Up Area Set Up Area Set Up Traffic, Load shifting, Stability, glober coverup 2. Set up ladder 3. Set up ladder Falls from heights, Load shifting, Stability, glober coverup Hamnessilanyard, racifloid inspectors daily, scaffold leveling, utilize proper litting lachniques, work The lines 4. Extend weather head change service wire on poper to the lines. Hamnessilanyard, rubber gloves, proper rigging Hamnessilanyard, rubber gloves, proper rigging	Department Lines/Planni	/ Group Name:	Bldg / Area Location(s): House #21 Spinnaker Way	PPE requirements: □Hard Hat, □Steel toe Boc Gloves □Rubber Gloves □Harness/Lanyards E	ots, □Safety Glasses □Visible	clothing □Safety Vest □ Work
azard Identification List: SELECT HAZARDS ASSOCIATED WITH TASK I Falling from heights — Condition of structures — Dangerous trees — Inve apparatus — exposed energized conductors — Limits of approach — Underground utilities — Traffic conditions — Public safe Step Job Step	Scope of Wc Extend weatl	ork (Work Order Attached) her head and replace service wire on pole #				
Area Set Up Traffic, Pedestrians, Live Equipment Traffic, Pedestrians, Live Equipment Set up scaffolding Falls from heights, Load shifting, Stability, Live lines Set up ladder Falls from heights, load shifting, Stability Falls from heights, load shifting, Stability Falls from heights, load shifting, Stability	Falling froi	m heights — falling objects /structures — ce — Condition of structures — Weather c	Dangerous trees ☐ live apparatus ☐ exposed energiz conditions ☐ Terrain ☐ Other utilities ☐ Pole in i	zed conductors □ Limits of approach □ Unc Poor Condition	iderground utilities 🛘 Trafi	fic conditions □ Public safet
Set up scaffolding Set up ladder Set up ladder Extend weather head! change service wire FAIL Live lines, FAIL Live lines, FAIL Live lines,	Step	Job Step	Major Hazards	Controls		
Set up scaffolding Live lines Live lines Set up ladder Set up ladder Falls from heights, Load shifting, Stability Falls from heights, load shifting, Stability Filt Live lines,	-	Area Set Up	Traffic, Pedestrians, Live Equipment	Cones, signs, Barricades, rubber gloves, service de	le-energized, rubber coverup	
Set up ladder Falls from heights, load shiffing, Stability Extend weather head/ change service wire F/H Live lines,	23	Set up scaffolding	Falls from heights, Load shiffing, Stability, Live lines	Proper rigging, harness/lanyard, scaffold inspection gloves rubber coverup	ns daily, scaffold levelling, utilize	proper lifting techniques, work
Extend weather head! change service wire FM Live lines,	ස්	Set up ladder	Falls from heights, load shifting, Stability	Fiberglass ladder, place on firm footing, non-slip fee	et, Structure inspection, ladder ti	ed off, harness/lanyard
	4	Extend weather head/ change service wire	F/H Live lines,	Harness/lanyard, rubber gloves, proper rigging		



Sample of Job Safety Analysis Form 3B

Worker: I understand and will adhere to the steps, hazards, and controls in this JSA. I understand that performing steps out of sequence may pose hazards that have not been evaluated nor authorized. I will contact the person who authorized my work prior to continuing, if the scope of work changes or new hazards are introduced. I understand that I am authorized and required to stop work that I believe to be unsafe. WORKER REVIEW, SIGN & DATE WORKER REVIEW, SIGN & DATE Name (pint) Authorizer (administrative or functional supervisor, foreman, PoC) I have reviewed the steps, hazards and controls described in this Job Plan with all workers listed above and authorize them to perform the work. Workers are qualified (that is, licensed or certified, as appropriate, and in full compliance with Caribbean Utilities Company requirements) to perform this activity. PERSON IN CHARGE OF JOB SITE Name (pint) Signalure CLC Supervisor/Foreman/Crew Leader CLC Supervisor/Foreman/Crew Leader CLC Supervisor/Foreman/Crew Leader I have communicated unique hazards, boundary conditions, and other items as required with the authorizer or listed worker(s) and have coordinated this job with affected parties. Listed workers are released to perform described scope of work.	rrforming steps out of sequence may pose hazards that have not been evaluated nor authc ards are introduced.
Name (print) Authorizer (administrative or functional supervisor, foreman, POC) I have reviewed the steps, hazards and controls described in this Job Plan with all workers listed above and a work. Workers are qualified (that is, licensed or certified, as appropriate, and in full compliance with Caribbean Utilities Company requirements) to perform this activity. PERSON IN CHARGE OF JOB SITE Name (print) Signature CLC Supervisor/Foreman/Crew Leader I I have communicated unique hazards, boundary conditions, and other items as required with the authorizer or listed worker(s) and have coordinated this job with affected pareleased to perform described scope of work.	
NORKER REVIEW, SIGN & DATE Name (print) Authorizer (administrative or functional supervisor, foreman, POC) I have reviewed the steps, hazards and controls described in this Job Plan with all workers listed above and a work. Workers are qualified (that is, licensed or certified, as appropriate, and in full compliance with Caribbean Utilities Company requirements) to perform this activity. PERSON IN CHARGE OF JOB SITE Name (print) Signature CLC Supervisor/Foreman/Crew Leader I have communicated unique hazards, boundary conditions, and other items as required with the authorizer or listed worker(s) and have coordinated this job with affected pareleased to perform described scope of work.	
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Authorizer (administrative or functional supervisor, foreman, POC) I have reviewed the steps, hazards and controls described in this Job Plan with all workers listed above and a work. Workers are qualified (that is, licensed or certified, as appropriate, and in full compliance with Caribbean Utilities Company requirements) to perform this activity. PERSON IN CHARGE OF JOB SITE Name (print) Signalure CLC Supervisor/Foreman/Crew Leader I have communicated unique hazards, boundary conditions, and other items as required with the authorizer or listed worker(s) and have coordinated this job with affected pareleased to perform described scope of work.	Date
Name (print) Name (print) CUC Supervisor/Foreman/Crew Leader I have communicated unique hazards, boundary conditions, and other items as required with the authorizer or listed worker(s) and have coordinated this job with affected pareleased to perform described scope of work.	nd controls described in this Job Plan with all workers listed above and authorize them to jobean Utilities Company requirements) to perform this activity.
Name (pint) CUC Supervisor/Foreman/Crew Leader La Supervisor/Foreman/Crew Leader I have communicated unique hazards, boundary conditions, and other items as required with the authorizer or listed worker(s) and have coordinated this job with affected pareleased to perform described scope of work.	Data
CUC Supervisor/Foreman/Crew Leader I have communicated unique hazards, boundary conditions, and other items as required with the authorizer or listed worker(s) and have coordinated this job with affected pareleased to perform described scope of work.	
☐ I have communicated unique hazards, boundary conditions, and other items as required with the authorizer or listed worker(s) and have coordinated this job with affected pare released to perform described scope of work.	
	norizer or listed worker(s) and have coordinated this job with affected parties. Listed work
List boundary conditions, notes, etc: CUC SUPERVISOR, LINE CREW, OR PLANNER	
Name (print) Signature Signature	Date

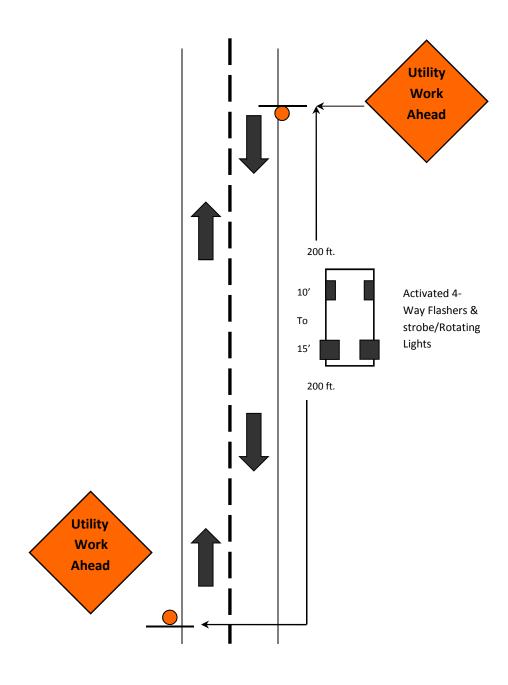


Sample of Incident Reporting Form 4A

LOCATION/DEPARTMENT:		
DATE & TIME OF OCCURRENCE:	WARRIAN WARRANT AND THE REAL PROPERTY OF THE P	
DID THE ACCIDENT RESULT IN:	Medical Aid? Y/N Near Miss? Y/N	I Lost time? Y/N
LIST EMPLOYEES INVOLVED:	Name	Job Title
DESCRIPTION OF THE ACCIDENT / NEAR MISS	DESCRIBE THE PR REDUCE OR ELIM	OTECTION OR METHODS IN PLACE TO INATE THE RISK
LIKELY CAUSE(S) OF UNWANTED EVENT:		
1.		
2.		
3.		
CHANCE OF RECURRENCE? (circle one)	High Mod	derate Low
		derate Low SIBLE AND DATE FOR COMPLETION
ACTIONS TAKE TO PREVENT RECURRENCE:		
ACTIONS TAKE TO PREVENT RECURRENCE:	PERSON RESPON	
ACTIONS TAKE TO PREVENT RECURRENCE: 1. 2.	PERSON RESPON NAME: DUE DATE: NAME:	
CHANCE OF RECURRENCE? (circle one) ACTIONS TAKE TO PREVENT RECURRENCE: 1. 2. SUPERVISOR'S SIGNATURE (SIGN OFF WHEN ALL ACTIONS COMPLETED)	PERSON RESPON NAME: DUE DATE: NAME: DUE DATE: NAME:	

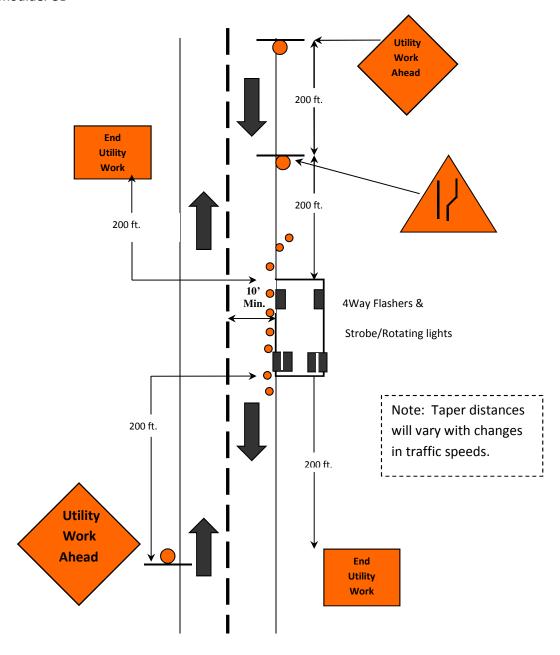


Outside the Shoulder 5A



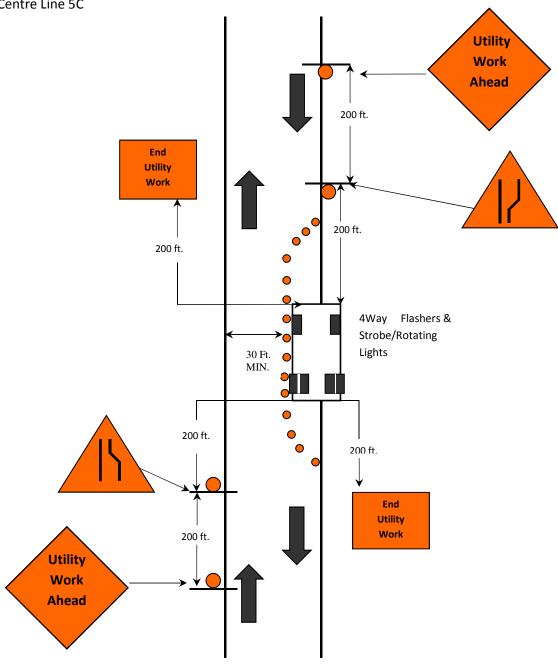


On the Shoulder 5B



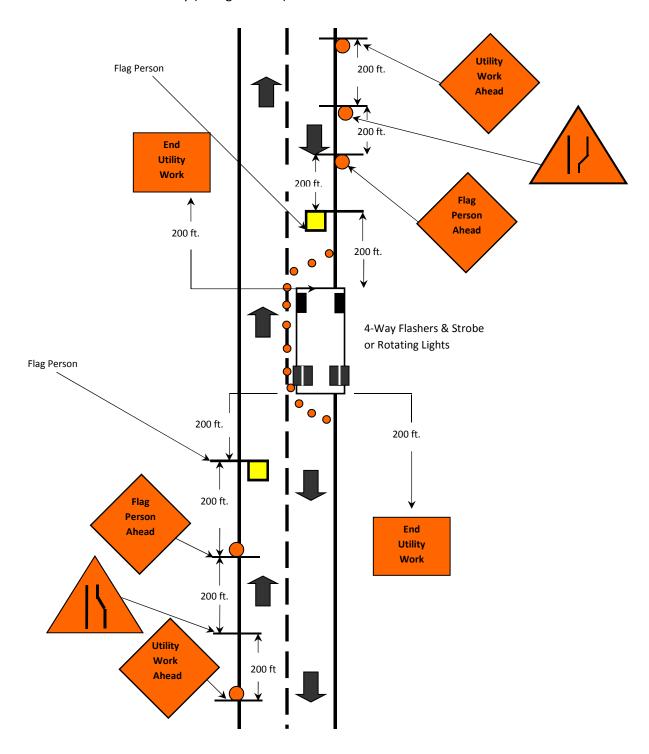


Low Volume Roadway
No Centre Line 5C



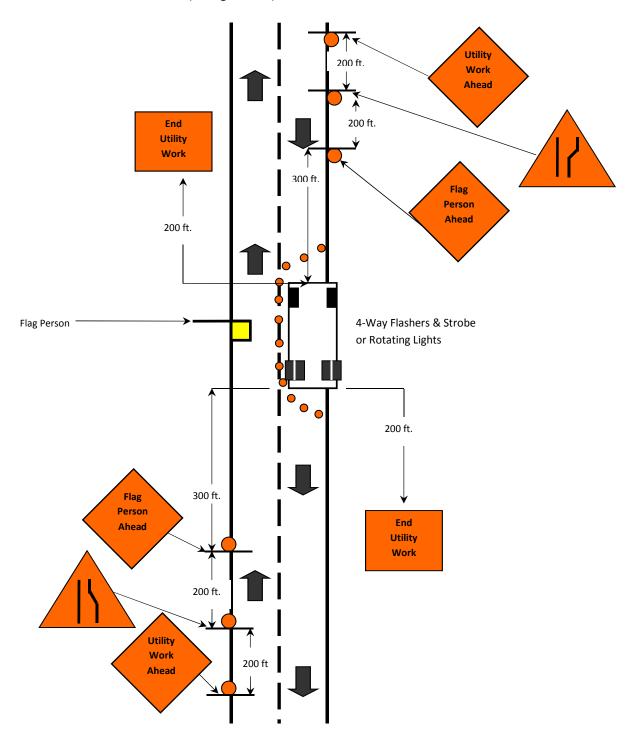


Lane Closure - 2 Lane Roadway (2 Flag Persons) 5D





Lane Closure - 2 Lane Low-Flow (1 Flag Person) 5E





Sample of Worksite Observation Assessment Sheet Form 6A (front)

Department /Contractor			- 10, N. W. P			Date of Obse	rvation
Manager/Site Foreman						Time of Obse	rvation (24 hr)
Commence of the commence of th							· · ·
Type of Inspection:			Specific Location			☐ - Plant	
☐ - Observation			(road, block and par-			🗆 - Administ	ration
🗆 - Routine						🔲 - Sub-stati	
🗖 - Other		50.00	The same of the same				sion & Distribution
ocation Vehicles in u		Site Information se? # of employees on		Name of Employees engaged in activities			
	Y/N		site		(If more; attach page) 1.		
Job Type	If yes, # of ve	If yes, # of vehicles in operation			2,		
Manager/Site Foreman Vehicle ID #(s)					5.		
Items Presented			8889 <u>(84</u> 88)	14.5621 14.5621	G		
Person(s) Responsible for Corrective actio	ns	1	1	T	Notes		
ob <u>Plan/Tailboard Document</u> azards/Barriers identified:) Electrical Mechanical		□Yes	□ No	□ N/A	Written and available for view Y/N		
☐ Chemical Vehicle Set-up					Notes		
Venice Secup □ Suitable Location □ Braking Device □ Chocks/Outrigger pads □ Public Safety		□Yes	□No	□ N/A	Vehicle in good working order Y/N		
☐ Grounding			_		N-4		
Traffic Control ☐ Cones ☐ Signs		□Yes	□No	□ N/A	Notes		
☐ Flashers/Hazard lights		1			Notes		······································
Work Protection ☐ Visible Tags ☐ Visible clearance Sheet/ Switching Order ☐ Form ☐ Area Grounding/Bonding		☐ Yes	□No	□ N/A	The state of the s		
☐ Visible Permit to Work Work Method and Procedures Visible				†	Notes		
□ Cover-Up □ Rigging □ Limits of Approach		□Yes	□ No	□ N/A			
☐ Appropriate Tools /Equipment avai	lable		OBSERVA	TIONS			
Notes & Illustrations			OBSERVA	THUNS			General Requirements
							Fire Extinguishers Sanitary Facilities Lunch Area
							Drinking Water ☐ First Aid Kits ☐ Emergency lights ☐ Eye Wash Station Oxygen Pac
Complianc	e					item & Hazard	
Housekeeping ☐ Floor /clear from obstruction/ slip f	nazarde						



Sample of Worksite Observation Assessment Sheet Form 6A (back)

Compliance	Item & Hazard
Safety Management	Table will be independent
☐ Fire (available)	
☐ Safety (available)	
☐ Emergency (available)	
3 Energy Control Procedure (available)	
☐ Environmental (available)	
☐ Accident/Incident Reporting forms (available)	
Personnel Protective Equipment	
□Gloves	
□ Fall Arrest	
□ Safety footwear	
□ Vest/coveralls	
☐ Hard-hats	
☐ Eye protection	
☐ Hearing protection	
☐ Breathing apparatus	
Signs	
☐ Stored Chemicals (MSDS identified)	
□ Warning signs visible	
☐ PPE Signs visible (head, eyes, hearing)	
□ Noise warning signs visible	
☐ Smoking signs visible	
☐ High voltage sign displayed correctly	
☐ Operational signs in place (stop, etc)	
☐ Flammable material signs visible	
Storage Facilities	
□ Aisles	
☐ Racks (poles/ transformers)	
☐ Compressed gas (secured)	
☐ Chemicals (secured, area ventilated, PPE available)	
Portable Tools & Equipment	
Welding equipment (capped, tagged and secured)	
Electrical cords (defective, cut/frayed, trip hazards)	
- HV /Control panels (secured and identified)	
Material Handling (chains & slings, visual defects) Failiff (times with board liables board applied)	
• Forklift (tires w/ thread, lights, horns, seatbelts)	
· Ladders (tagged out of service, visual inspection)	
Tools	
All machinery guards in place Emergency button(s) in operation	
Hydraulic/pneumatic hose checked for leakage	
- Defective equipment marked & tagged	
Testing & Monitoring (Record Keeping)	
Lifting equipment tests available (attach copy)	
Pressure vessels (good working order)	
Crane inspections & equipment (documents)	
- HV tools (hot sticks, gloves, aerial devices)	
- Engine alarm system operational (gauges)	
Building Equipment (FACMAN & Production)	
· Handrails, walkways (visual inspection)	
- Waste disposal (container available)	
Plant compound free of debris & trip hazards	
General signs (traffic control & parking visible)	
- Bulk storage (hazard & leak free, seams checked)	
Fire hoses and portable hydrant (visual)	
	Associated decomposition
Inspection completed by	Attached documentation
Sign Print Name	☐ Hazard Assessment Form
Date of Completion	☐ Work Method Form
Date of Completion Time of Completion (24hr)	☐ Employee Listing
rane or completion (24m)	☐ Other(s)