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The surveillance activity shall be planned on a rotating basis such that any one area is surveilled the next time by a person other than the one who surveilled it the time before.

3.2 ACTIVITIES TO BE OBSERVED

Activities to be observed during this surveillance include:

- a. Housekeeping
- b. Contamination of stainless steel
- c. Equipment protection
- d. Material storage
- e. Installed items
- f. Any other adverse activities that affect safety related items.

3.3 DOCUMENTATION

An Inspection Report (Attachment 2) shall be used to document the surveillance inspection results. The IR lists the activities to be observed.

A copy of the IR documenting the surveillance results shall be sent to the Assistant Construction Project Manager. Upon verification of completion of the required corrective action, the IR shall be closed.

The IR shall be processed as per Reference 1-A, except that upon closure the IR shall be sent to the Quality Engineering Supervisor for subsequent filing in the Permanent Plant Records Vault.

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ATTACHMENT 1

SURVEILLANCE INSPECTION GUIDELINES

1. HOUSEKEEPING

- a) Work areas sufficiently clean and orderly.
- b) Garbage, trash, scrap, litter and other excess materials removed or temporarily stored neatly.
- c) Areas of activity adequately lighted, ventilated, protected, and accessible as appropriate for the work being performed consistent with the quality requirements.

2. CONTAMINATION OF STAINLESS STEEL

- a) Slings handling stainless steel made from nylon or stainless steel or have adequate protection such as being covered with rubber or wood to prevent contact between carbon steel slings and stainless steel surfaces.
- b) Tools (e.g. wire brushes, files, flapper wheels, drills) used on stainless steel materials designated by a fluorescent orange color code.

3. MATERIAL/EQUIPMENT STORAGE

- a) Evidence of damage or deterioration.
- b) Pipe Spools
 - Stainless steel pipe ends capped with plastic caps or wood covers and plugs
 - Carbon steel pipe ends capped with plastic/metal caps or wood covers and plugs
 - Stored off the ground in racks or on dunnage.
- c) Weld Rod
 - Field storage in plugged-in ovens
- d) Motors stored in place shall have all ventilation holes covered with fine screening to ensure that the internals of the motor are free from debris and rodent infestation.

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- e) Space heaters, if provided on motors and motor operated limitorque valves, energized.

4.0 INSTALLED ITEMS

4.1 CABLES AND CABLE TRAYS

- a) Cables covered with fire resistant materials anytime welding, grinding or torch cutting is being performed in an area that could damage cable.
- b) Items such as nuts, bolts, structural steel, pipe fittings, etc. shall not be stored or left in cable trays.
- c) Metal grating over cable trays should be covered to prevent trash from falling or accumulating in the trays.
- d) Flex conduit to equipment not broken, damaged or used to support any weight.
- e) Trays containing cables shall not be used as walkways. Besides being potentially damaging to the cables, the cables could be energized and cause severe personnel hazard.
- f) Trays shall not be used as work platforms.

EXCEPTIONS:

When standard work platforms or work accesses are not feasible, the following procedure will be used:

1. A 1/2", or thicker, piece of plywood extending across the top of the cable tray from siderail to siderail and stabilized so it cannot be accidentally dislodged, may be used as a temporary work platform.

NOTE: This exception shall not be used when additional siderails have been added to extend the depth of the cable tray.

2. Alternatively, a 3 fold fire blanket covered with an approved electrical rubber blanket may be used when leaning over or into a cable tray but not for the purpose of supporting full body weight (i.e., standing, kneeling, etc.).

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- g) Cable trays shall not be used as structural supports, or to lift from.
- h) Hoses and cables may be suspended from the bottom of trays, but shall not be laid across the trays.
- i) Doors and covers to electrical equipment in place when no work is being performed on the item.

4.2 MECHANICAL

- a) Open ends of components covered unless work is being performed on them.
- b) Installed pipe, especially pipe connected to valves and equipment, properly supported (by permanent or temporary 'hard' supports).
- c) No rigging off supports (unless authorized by Engineering in writing on a traveller, etc.)

4.3 INSTRUMENTATION

- a) Protective coverings installed and maintained whenever working around indicators, gauges, tubing, etc.

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ATTACHMENT 2

COMANCHE PEAK STEAM ELECTRIC STATION

INSPECTION REPORT

SHEET OF

NO. 1

ITEM DESCRIPTION PLANT SURVEILLANCE		IDENTIFICATION NO.		SYSTEM/STRUCTURE DESIGNATION	
SPEC. NO.	REV.	REF. Q.C. DOC. & REV. & CHANGE NO.	MEASURE OR TEST EQUIP. IDENT. NO.		
5	6	CP-QP-19.5	7		
<input type="checkbox"/> IN PROCESS INSPECTION		<input type="checkbox"/> PRE INSTALLATION VERIFICATION	<input type="checkbox"/> INSTALLATION INSPECTION	<input type="checkbox"/> FINAL INSPECTION	<input type="checkbox"/> PRE TEST INSPECTION
INSPECTION RESULTS					
<input type="checkbox"/> INSPECTION COMPLETED, ALL APPLICABLE ITEMS SATISFACTORY					
<input type="checkbox"/> INSPECTION COMPLETED, UNSATISFACTORY ITEMS LISTED BELOW					
ITEM NO.		INSPECTION ATTRIBUTES			QC INSPECTOR
10		12			DATE
11		SAT			QC SIGNATURE
12		UNSAT			13
1. Housekeeping					
2. Contamination of Stainless Steel					
3. Material/Equipment Storage					
4. Installed Items					
4.1 Cables and Cable Trays					
4.2 Mechanical					
4.3 Instrumentation					
REMARKS (DWGS, SPECS, ETC.)					
14					
RELATED NCR NO.		I.R. CLOSED <input type="checkbox"/>		DATE	SIGNATURE
15		16		QC INSPECTOR	17