

	QUESTEMP 32 THERMAL ENVIRONMENT MONITOR OPERATION		
	Procedure Type:		Department:
	Document Owner: Manager, EH&S		Document Contact: Occupational Hygienist
Document Number: 4000-ZPR-HM00HHSA-011910	Issue Date: 05/03/2017	Revision Number: 3	Next Review Date: 02/03/2020

Purpose and Scope:	This procedure describes the steps to safely use the QUESTemp® 32 Thermal Environment Monitor to conduct heat stress monitoring.
Personal Protective Equipment (PPE) Required:	Normal mandatory PPE for work areas, as required. No additional PPE is required by this procedure.
References:	Heat Stress Standard

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PROCEDURE INSTRUCTIONS

1.0	Perform a visual inspection.	1.1	Perform a visual inspection of the monitor: <ul style="list-style-type: none"> • Observe the due date on the calibration sticker to ensure it has been calibrated within the last year; and • Look for visible damage to monitor and thermometers.
2.0	Prepare the QUESTemp 32 Thermal Environment Monitor.	2.1	Ensure the wet bulb wick is clean. Pour distilled water onto the wick and into the reservoir. Ensure the wick is saturated.
		2.2	Turn the QUESTemp 32 on by pressing the "I/O Enter" key.
		2.3	Use the ▲ and ▼ buttons to scroll to the screen that displays both WBGT _i and WBGT _o .
3.0	Conduct WBGT monitoring.	3.1	Place the QUESTemp 32 in the area to be monitored.
		3.2	Allow the sensors to stabilize to the environment (approximately 5-10 minutes).
		3.3	Record the appropriate Wet Bulb Globe Temperature: <ul style="list-style-type: none"> ▪ WBGT_o: in direct sunlight or near sources of radiant heat; ▪ WBGT_i: away from direct sunlight and sources of radiant heat.
4.0	Turn the QUESTemp 32 off.	4.1	Press and hold the "I/O Enter" key until the 3 second countdown is complete and the QUESTemp 32 turns off.

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CHANGES / UPDATES

Are any changes/updates required? YES NO

Changes/updates required may be written within the procedure itself or in this section.

All comments **MUST** include operator name and review date (mm/dd/yy).

Name:

Date:

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END OF PROCEDURE

REVISION LOG

Date (MM/DD/YYYY)	Revision	Section	Comments	Editor (Name)
07/14/2011	Original	All	New Sarnia Refinery procedure.	M. Courteaux
07/22/2011	1	Reference	Fix hyperlink.	
11/22/2013	2	All	Reviewed by Hygienist. New format/template.	M. Courteaux
11/17/2014	3	Header	Added names of document owner and contact	M. Courteaux
		1.0	Added visual inspection to procedure.	
05/03/2017	3	All	Document reviewed. No changes required.	M. Courteaux



The following individuals have approved and signed this document.

UserName: Todd Murray (toddmurray)

Title: Mgr EH&S Sarnia Refinery

Date: Wednesday, 17 May 2017, 09:23 PM Mountain Time

Meaning:

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