 <p>SUNCOR ENERGY</p> <p>SARNIA REFINERY</p>	HUMIDEX MONITORING AND COMMUNICATION		
	Department: Environmental, Health and Safety		
	Document Owner: Manager – Environmental, Health and Safety		Document Contact: Occupational Hygienist
Document Number: 4000-ZPR-HMSECUSA-011877	Issue Date: 07/08/2019	Revision Number: 6	Next Review Date: 04/08/2022

Purpose and Scope:	<p>This Non-Operations Procedure describes the steps for Security to safely monitor and communicate Humidex. This procedure shall be followed from May 1st through September 30th each year.</p> <p><i>Note:</i> Security may be requested to extend the procedure time frame and/or implement the procedure periodically outside of this date range upon request from a member of the EH&S department.</p>
Personal Protective Equipment (PPE) Required:	No additional PPE is required.
References:	<ul style="list-style-type: none"> • <u>Heat Stress Standard</u> • <u>The Weather Network</u>

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NON-OPERATIONS PROCEDURE INSTRUCTIONS

1.0	<i>Monitor and Communicate the Humidex Value</i>	1.1	Between 06:00-06:15am, obtain the current Humidex (i.e., “Feels Like”) value and the day’s forecasted high Humidex value for Froomfield, Ontario via The Weather Network .
			NOTE If the above link does not work, use the link provided in the top right-hand corner of the SARLinks home page and search for “Froomfield, Ontario”.
			1.2
		1.3	<p>If both the current and forecasted Humidex are <25, no further action is necessary.</p> <p>If both the current and forecasted Humidex are <29 and either is 25-28, proceed to step 1.4.</p> <p>If the current Humidex is ≥29, make radio announcement #1 at 6:15am. Make this same announcement again at 7:45am if there are contractors working on-site. No further action is necessary.</p> <p>If only the forecasted Humidex is ≥29, make radio announcement #1 (see Appendix A) at:</p> <ul style="list-style-type: none"> • 6:15am if there are no contractors expected to be working on-site for the day; or • 7:45am if there are contractors expected to be working on-site for the day. <p>No further action is necessary.</p>

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		1.4	Between 11:30-11:45am, obtain and record the current and forecasted Humidex values for Sarnia.
		1.5	If both the current and forecasted Humidex are <29, no further action is necessary. If the current and/or forecasted Humidex is ≥29, proceed to step 1.6.
		1.6	If the current Humidex is higher than the forecasted Humidex, make radio announcement #2 (see Appendix A) at 11:45am. If the forecasted Humidex is higher than the current Humidex, make radio announcement #3 (see Appendix A) at 11:45am.

END OF NON-OPERATIONS PROCEDURE

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REVISION LOG

Date (MM/DD/YYYY)	Revision	Section	Comments	Editor (Name)
07/18/2011	Original	All	This document replaces the Heat Stress Monitoring procedure.	N/A
07/22/2011	1	Reference	Fix hyperlink	N/A
05/17/2012	2	Procedure Instruction	Changed requirement for Security to monitor and communicate current Humidex to, instead, check and communicate forecasted Humidex.	N/A
06/15/2012	3	All	Updated format and placed into new Non-Operations Procedure Template, but content was NOT altered	N/A
09/06/2012	4	Procedure Instruction	Changed method of determining Humidex from referring to chart to using The Weather Network's "Feels Like" value. Appendix A was removed.	N/A
05/24/2013	5	Procedure Instruction	Added additional steps to check and announce Humidex later in the morning if necessary. Changed announcements from specific radio channels to broadcast channel. Added log sheet for documenting Humidex readings and announcements. Added start & end dates in accordance with MOL guidelines. Added Appendices: A – Radio Announcements B – Humidex Monitoring and Communication Flowchart C – Humidex Monitoring and Communication Log	Courteaux, Michelle Nield, Lindsay (entered into new template)
03/01/2016	5	All	Reviewed. No changes necessary.	Courteaux, Michelle
07/08/2019	6	1.1	Changed the desired weather forecast location from Sarnia to Froomfield (closer to the Refinery).	Chipman, Michelle



APPENDIX A
Radio Announcements

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Note: all radio announcements shall be made on the broadcast channel using the alert tone.

Announcement #1

“May I have your attention please? This is a heat alert announcement. The Humidex is expected to reach ## today. Please assess your work conditions relative to the Heat Stress Standard and take appropriate precautions for safe work. Thank you.”

Announcement #2

“May I have your attention please? This is a heat alert announcement. The Humidex is currently #. Please assess your work conditions relative to the Heat Stress Standard and take appropriate precautions for safe work. Thank you.”

Announcement #3

“May I have your attention please? This is a heat alert announcement. The Humidex is currently # and is expected to reach ## later today. Please assess your work conditions relative to the Heat Stress Standard and take appropriate precautions for safe work. Thank you.”

Note:

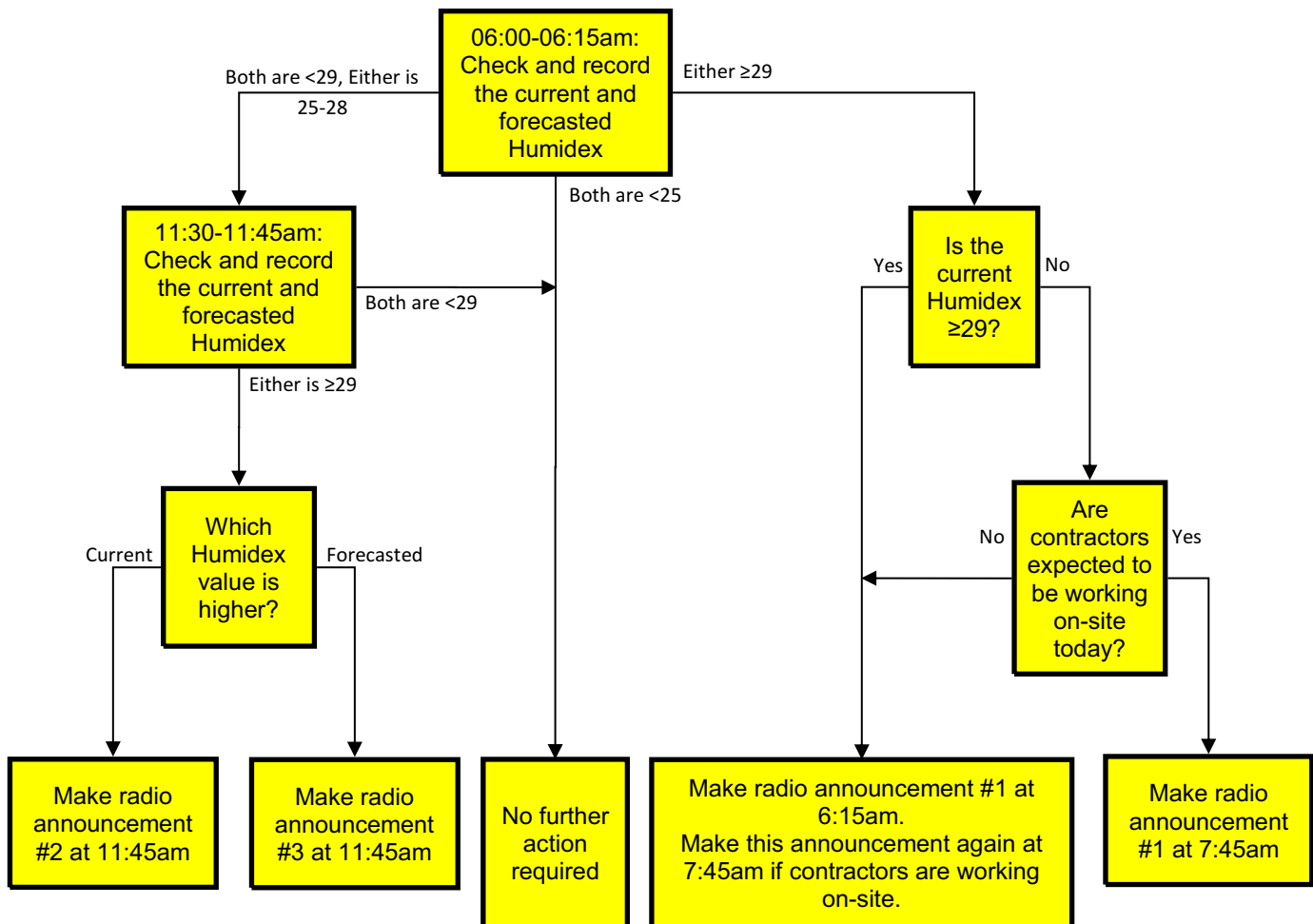
Current Humidex Value

Forecasted Humidex Value



APPENDIX B
Humidex Monitoring and Communication Flowchart

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The following individuals have approved and signed this document.

UserName: Todd Murray (toddmurray)

Title: Mgr EH&S Sarnia Refinery

Date: Wednesday, 10 July 2019, 07:57 AM Mountain Time

Meaning:

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