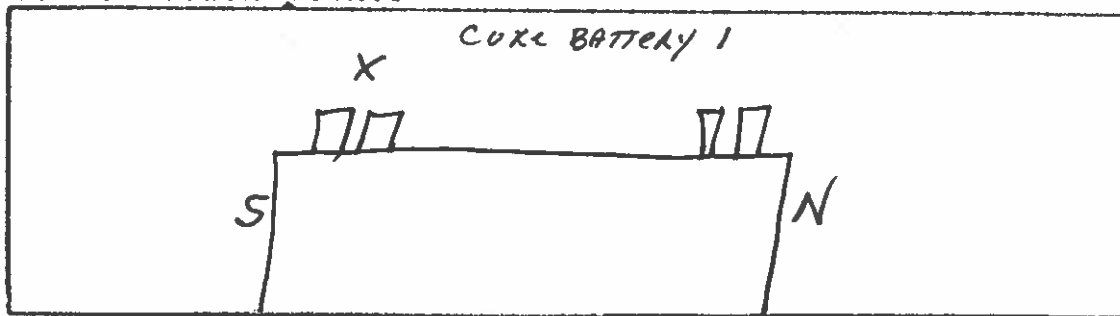


**FUGITIVE OR SMOKE EMISSION INSPECTION  
OUTDOOR LOCATION**

Company <i>10-19-2022</i>	Observer <i>Chet Dulin</i>
Location	Affiliation
Company Rep.	Date <i>10-19-2022</i>
Sky Conditions <i>overcast</i>	Wind Direction <i>NW</i>
Precipitation <i>0.</i>	Wind Speed <i>1.3 MPH</i>
Industry	Process Unit

Sketch process unit: Indicate observer position relative to source; indicate potential emission points and/or actual emission points.



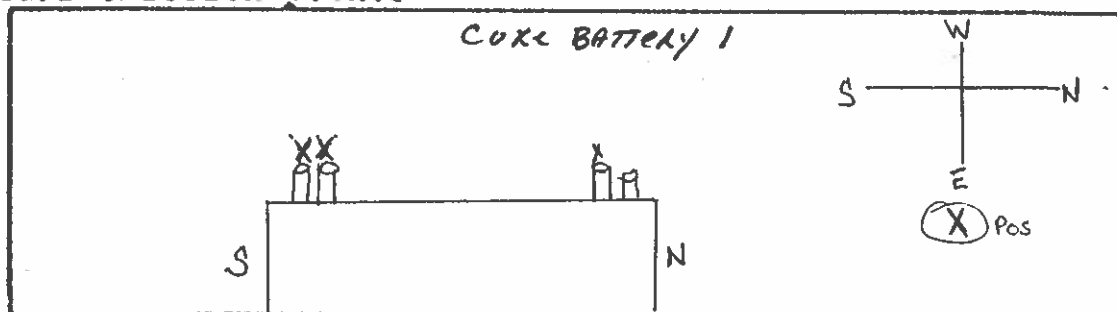
OBSERVATIONS	Clock Time	Observation period duration, min:sec	Accumulated emission time, min:sec
Begin Observation	<i>1st 07:05-07:25</i>	<i>20 min</i>	<i>07:05-07:25</i>
	<i>07:25-07:30</i>	<i>BREAK</i>	<i>20 min</i>
	<i>20th 07:30-07:50</i>	<i>20 min</i>	<i>07:30-07:50</i>
	<i>07:50-07:55</i>	<i>BREAK</i>	<i>20 min</i>
	<i>07:55-08:15</i>	<i>20 min</i>	<i>07:55-08:15</i>
	<i>3rd 08:15-08:20</i>	<i>BREAK</i>	<i>20 min</i>
	<i>08:20-08:40</i>	<i>20 min</i>	<i>08:20-08:40</i>
	<i>7th 08:40-08:45</i>	<i>BREAK</i>	<i>20 min</i>
	<i>08:45-09:05</i>	<i>20 min</i>	<i>20 min</i>
End Observation		<i>100 min</i>	<i>100 min</i>
	<i>09:05</i>		

Figure 22-1

# FUGITIVE OR SMOKE EMISSION INSPECTION OUTDOOR LOCATION

Company Cleveland Cliffs Location Burns Harbor, IN Company Rep.	Observer L. Macias Affiliation OCS Date 10-19-22
Sky Conditions O-CAST / Sunny Precipitation Ø	Wind Direction W Wind Speed 13 mph
Industry Steel	Process Unit

Sketch process unit: Indicate observer position relative to source; indicate potential emission points and/or actual emission points.



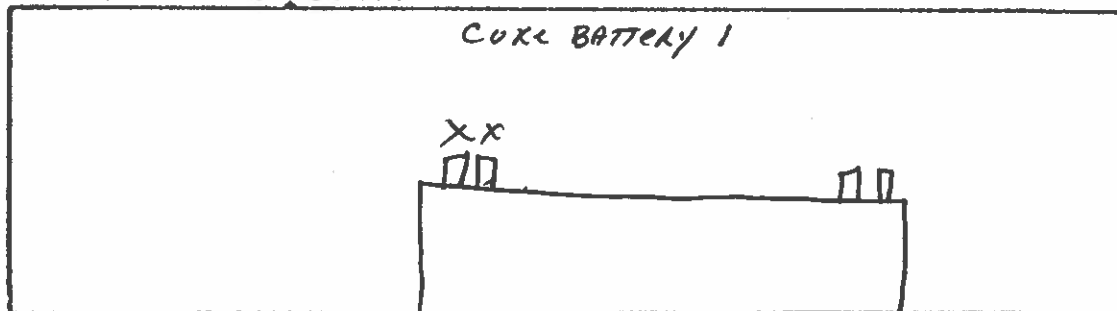
OBSERVATIONS	Clock Time	Observation period duration, min:sec	Accumulated emission time, min:sec
Begin Observation	09:10 - 09:30	20 min	09:10 - 09:30
South Stack on Battery #1 Emissions	09:35 - 09:40	Break	(5 min)
	09:45 - 10:05	20 min	09:45 - 10:05
	10:05 - 10:10	Break	(5 min)
	10:10 - 10:30	20 min	10:10 - 10:30
	10:30 - 10:35	Break	(5 min)
	10:35 - 10:55	20 min	10:35 - 10:55
	10:55 - 11:00	Break	(5 min)
	11:00 - 11:15	15 min	11:00 - 11:15
End Observation	11:15	95 min	95 min

Figure 22-1

# FUGITIVE OR SMOKE EMISSION INSPECTION OUTDOOR LOCATION

Company Location Company Rep.	Observer <i>Chet Dulin</i> Affiliation <i>O.C.S.</i> Date <i>10-19-2022</i>
Sky Conditions <i>PARTLY CLOUDY</i> Precipitation <i>0</i>	Wind Direction <i>WNW</i> Wind Speed <i>12 MPH</i>
Industry <i>S</i>	Process Unit

Sketch process unit: Indicate observer position relative to source; indicate potential emission points and/or actual emission points.

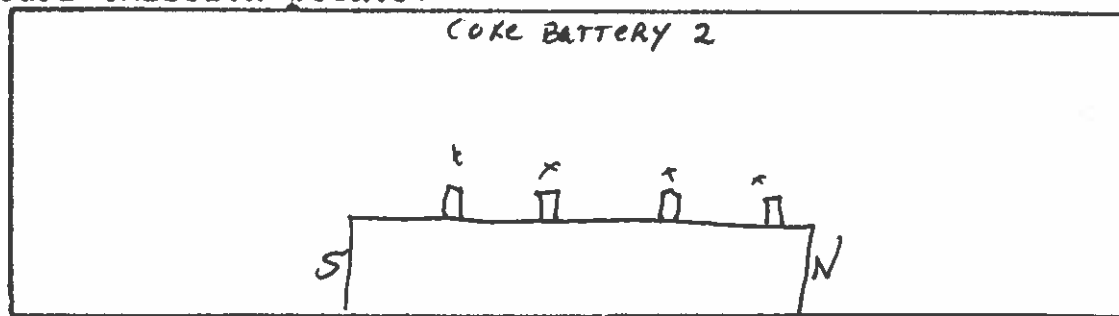


OBSERVATIONS	Clock Time	Observation period duration, min:sec	Accumulated emission time, min:sec
Begin Observation	<u>11:10-11:30</u>	<u>20 MIN</u>	<u>20 MIN</u>
	<u>11:30-11:35</u>	<u>BREAK</u>	
	<u>11:35-11:55</u>	<u>20 MIN</u>	<u>20 MIN</u>
	<u>11:55-12:00</u>	<u>BREAK</u>	
	<u>12:00-12:20</u>	<u>20 MIN</u>	<u>0.0</u>
	<u>12:20-12:25</u>	<u>BREAK</u>	
	<u>12:25-12:45</u>	<u>20 MIN</u>	<u>0.0</u>
	<u>12:45-12:50</u>	<u>BREAK</u>	
	<u>12:50-13:10</u>	<u>20 MIN</u>	<u>0.0</u>
End Observation	<u>13:10</u>	<u>100 MIN</u>	<u>40 MIN</u>

# FUGITIVE OR SMOKE EMISSION INSPECTION OUTDOOR LOCATION

Company Location Company Rep.	Observer <i>C Dupin</i> Affiliation Date <i>10-19-2022</i>
Sky Conditions <i>OCAST</i> Precipitation <i>0</i>	Wind Direction <i>NW</i> Wind Speed <i>13 MPH</i>
Industry	Process Unit

Sketch process unit: Indicate observer position relative to source; indicate potential emission points and/or actual emission points.



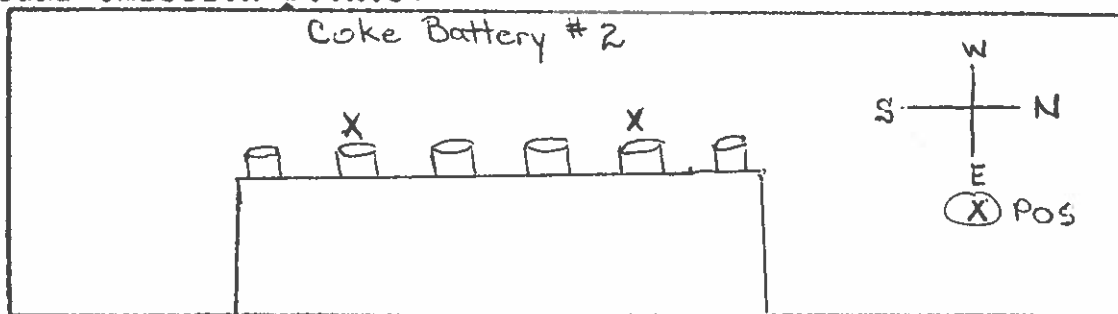
OBSERVATIONS		Observation period duration, min:sec	Accumulated emission time, min:sec
	Clock Time		
Begin Observation	<i>1st 07:25-07:25</i>	<i>26 MIN</i>	<i>0.0</i>
	<i>07:25-07:30</i>	<i>BREAK</i>	
	<i>2nd 07:30-07:50</i>	<i>20 MIN</i>	<i>0.0</i>
	<i>07:50-07:55</i>	<i>BREAK</i>	
2nd	<i>07:55-08:15</i>	<i>20 MIN</i>	<i>0.0</i>
	<i>08:15-08:20</i>	<i>BREAK</i>	
	<i>4th 08:20-08:40</i>	<i>20 MIN</i>	<i>0.0</i>
	<i>08:40-08:45</i>		
End Observation	<i>08:45-09:05</i>	<i>20 MIN</i>	<i>0.0</i>
		<i>100 MIN</i>	<i>0.0</i>
	<i>09:05</i>		

Figure 22-1

# **FUGITIVE OR SMOKE EMISSION INSPECTION OUTDOOR LOCATION**

Company Cleveland Cliffs Location Burns Harbor, IN Company Rep.	Observer L. Macias Affiliation OCS Date 10-19-22
Sky Conditions O-Cast / Sunny Precipitation O	Wind Direction W Wind Speed 13 mph
Industry Steel	Process Unit

Sketch process unit: indicate observer position relative to source; indicate potential emission points and/or actual emission points.



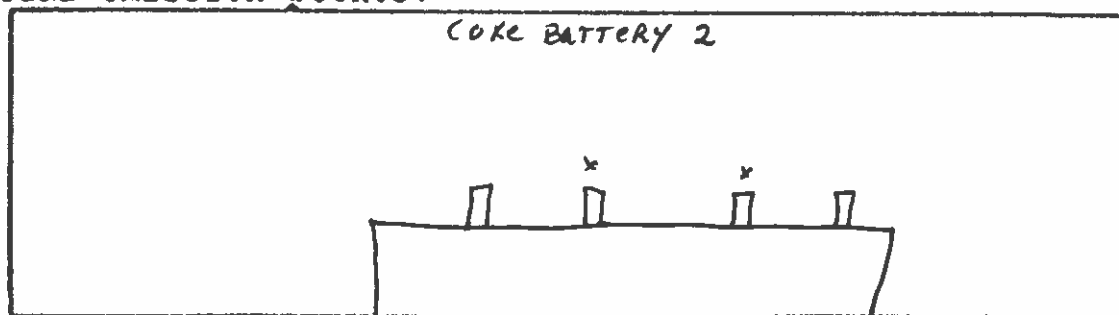
OBSERVATIONS	Clock Time	Observation period duration, min:sec	Accumulated emission time, min:sec
Begin Observation	09:10-09:30	20 min	0:0
	09:35-09:40	Break	
	09:45-10:05	20 min	0:0
	10:05-10:10	Break	
	10:10-10:30	20 min	0:0
	10:30-10:35	Break	
	10:35-10:55	20 min	0:0
	10:55-11:00	Break	
	11:00-11:15	15 min	0:0
End Observation	11:15	95 min	0:0

Figure 22-1

**FUGITIVE OR SMOKE EMISSION INSPECTION  
OUTDOOR LOCATION**

Company Location Company Rep.	Observer <u>Chet Dunn</u> Affiliation Date <u>10-19-22</u>
Sky Conditions <u>PARTLY cloudy</u> Precipitation <u>0</u>	Wind Direction <u>WNW</u> Wind Speed <u>12 MPH</u>
Industry	Process Unit

Sketch process unit: Indicate observer position relative to source; indicate potential emission points and/or actual emission points.



OBSERVATIONS	Clock Time	Observation period duration, min:sec	Accumulated emission time, min:sec
Begin Observation	<u>11:10-11:30</u>	<u>20 MIN</u>	<u>0.0</u>
	<u>11:30-11:35</u>	<u>BREAK</u>	
	<u>11:35-11:55</u>	<u>20 MIN</u>	<u>0.0</u>
	<u>11:55-12:00</u>	<u>BREAK</u>	
	<u>12:00-12:20</u>	<u>20 MIN</u>	<u>0.0</u>
	<u>12:20-12:25</u>	<u>BREAK</u>	
	<u>12:25-12:45</u>	<u>20 MIN</u>	<u>0.0</u>
	<u>12:45-12:50</u>	<u>BREAK</u>	
	<u>12:50-13:10</u>	<u>20 MIN</u>	<u>0.0</u>
End Observation		<u>100</u>	<u>0.0</u>
	<u>13:10</u>		

Figure 22-1



OCS Environmental, Inc.  
Method 9 Source Layout Sketch

Date: 10/19/22

Observer Name: C. Dulin

Begin Time: 07:05

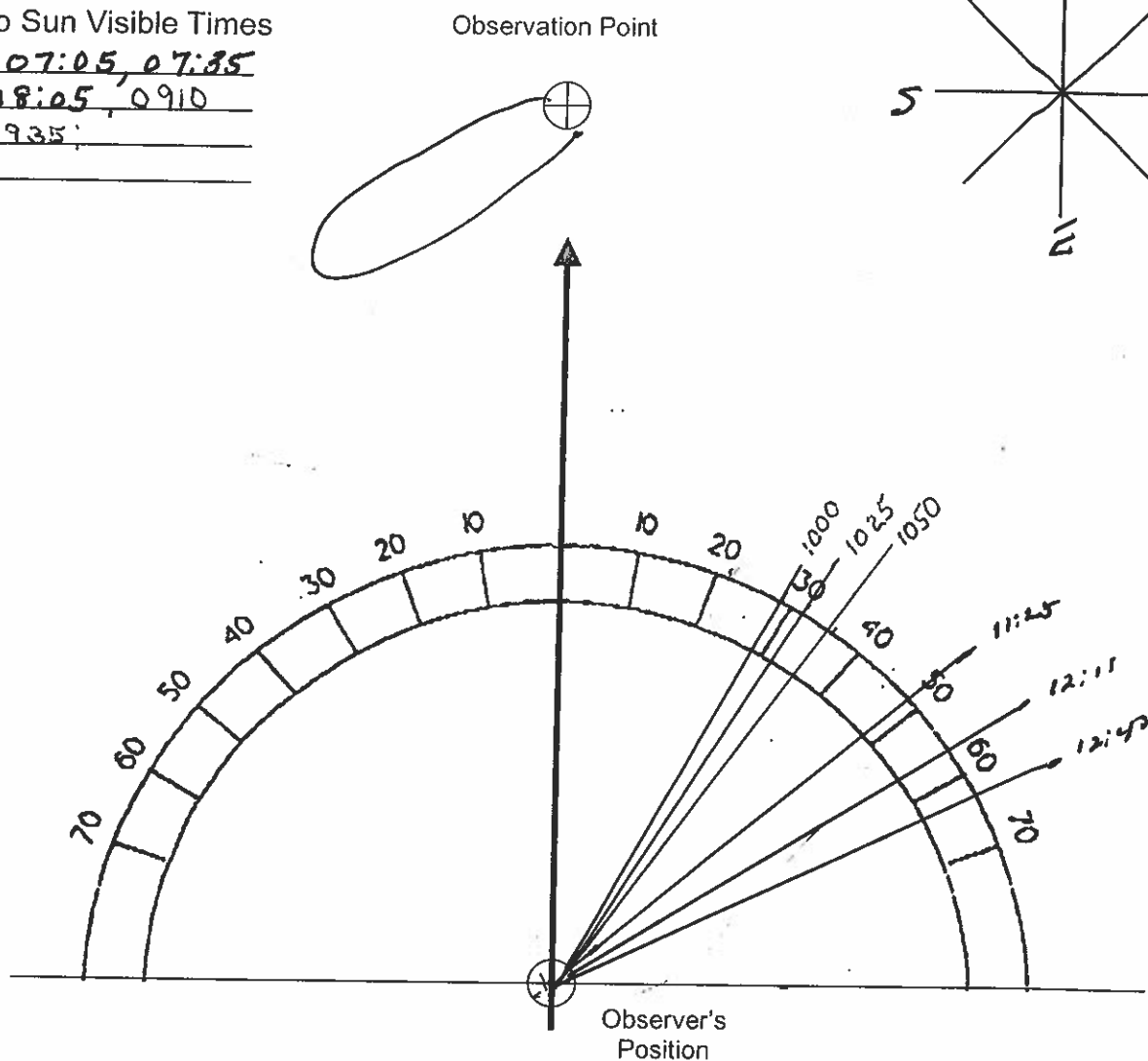
Time End: 13:10

No Sun Visible Times

07:05, 07:35

08:05, 09:10

09:35

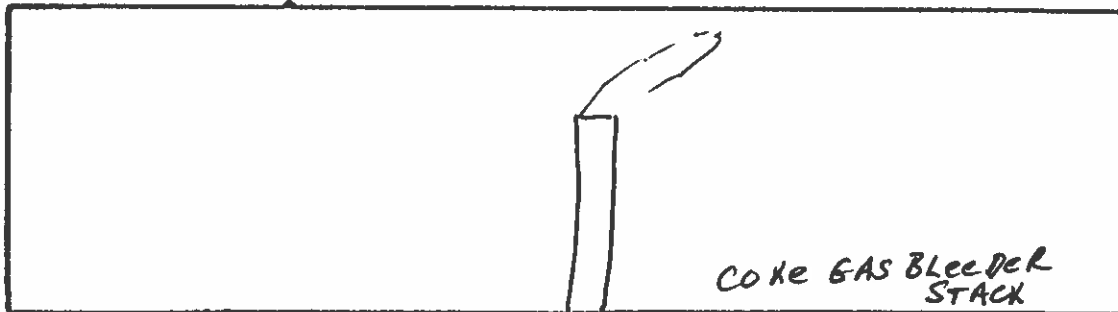


Signature: C. Dulin

**FUGITIVE OR SMOKE EMISSION INSPECTION  
OUTDOOR LOCATION**

Company <i>Cleveland Cliffs</i> Location <i>BURNS HARBOR</i> Company Rep.	Observer <i>C Durin</i> Affiliation Date <i>10-20-2022</i>
Sky Conditions <i>PARTLY cloudy</i> Precipitation <i>0</i>	Wind Direction <i>SW</i> Wind Speed <i>9 MPH</i>
Industry	Process Unit

Sketch process unit: indicate observer position relative to source; indicate potential emission points and/or actual emission points.



OBSERVATIONS	Clock Time	Observation period duration, min:sec	Accumulated emission time, min:sec
Begin Observation	<u>09:15:00-09:35</u>	<u>20 min</u>	<u>0.0</u>
	<u>09:35-09:40</u>	<u>BREAK</u>	<u>          </u>
	<u>09:40-10:00</u>	<u>20 min</u>	<u>0.0</u>
	<u>10:00-10:05</u>	<u>BREAK</u>	<u>          </u>
	<u>10:05-10:25</u>	<u>20 min</u>	<u>0.0</u>
	<u>10:25-10:30</u>	<u>BREAK</u>	<u>          </u>
	<u>10:30-10:50</u>	<u>20 min</u>	<u>0.0</u>
	<u>10:50-10:55</u>	<u>BREAK</u>	<u>          </u>
	<u>10:55-11:15</u>	<u>20 min</u>	<u>0.0</u>
End Observation	<u>11:15</u>	<u>100 min</u>	<u>0.0</u>

Figure 22-1

# **FUGITIVE OR SMOKE EMISSION INSPECTION OUTDOOR LOCATION**

Company Cleveland Cliffs  
 Location Burns Harbor, IN  
 Company Rep. \_\_\_\_\_

Observer L. Macias  
 Affiliation \_\_\_\_\_  
 Date 10-20-22

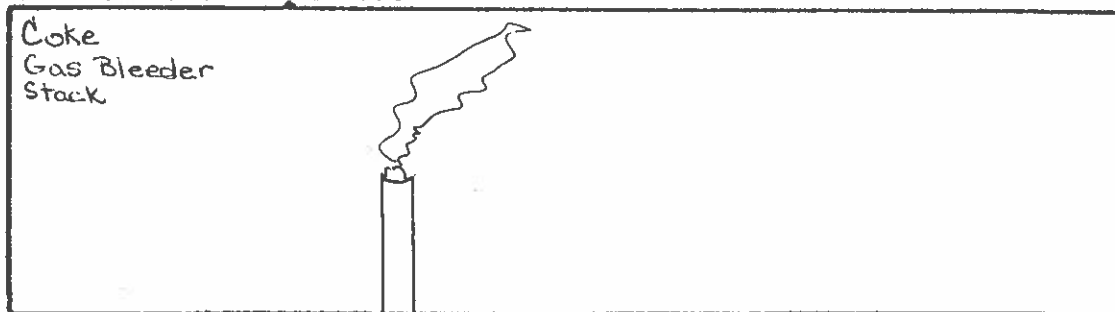
Sky Conditions Partly Cloudy  
 Precipitation 0

Wind Direction SW  
 Wind Speed 11

Industry \_\_\_\_\_

Process Unit \_\_\_\_\_

Sketch process unit: Indicate observer position relative to source; indicate potential emission points and/or actual emission points.



## **OBSERVATIONS**

	Clock Time	Observation period duration, min:sec	Accumulated emission time, min:sec
Begin Observation	<u>11:15 - 11:35</u>	<u>20 min</u>	<u>0.0</u>
	<u>11:35 - 11:40</u>	<u>Break</u>	_____
	<u>11:40 - 12:00</u>	<u>20 min</u>	<u>0.0</u>
	<u>12:00 - 12:05</u>	<u>Break</u>	_____
	<u>12:05 - 12:25</u>	<u>20 min</u>	<u>0.0</u>
	<u>12:25 - 13:30</u>	<u>Break</u>	_____
	<u>12:30 - 12:50</u>	<u>20 min</u>	<u>0.0</u>
	<u>12:50 - 13:55</u>	<u>Break</u>	_____
	<u>12:55 - 13:15</u>	<u>20 min</u>	<u>0.0</u>
End Observation	_____	_____	_____

**FUGITIVE OR SMOKE EMISSION INSPECTION  
OUTDOOR LOCATION**

Company CLEVELAND CLIFFS  
Location BRANS HARBOR  
Company Rep. \_\_\_\_\_

Observer C. Dulin  
Affiliation \_\_\_\_\_  
Date 10-20-22

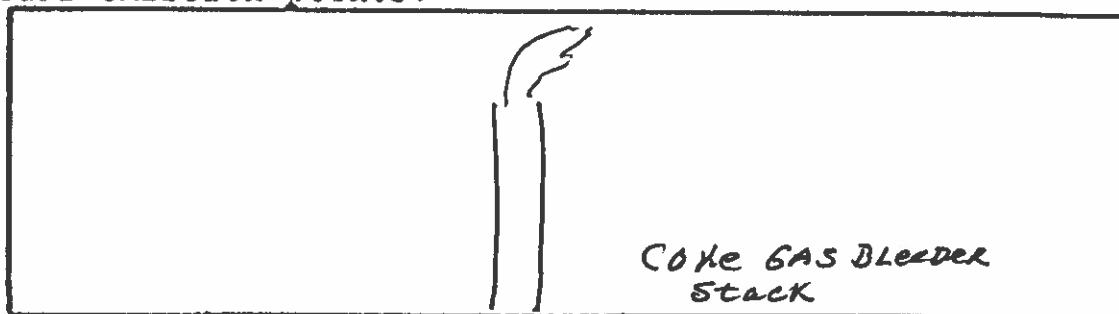
Sky Conditions CLOUDY  
Precipitation 0

Wind Direction SW  
Wind Speed 12 MPH

Industry \_\_\_\_\_

Process Unit \_\_\_\_\_

Sketch process unit: indicate observer position relative to source; indicate potential emission points and/or actual emission points.



**OBSERVATIONS**

	Clock Time	Observation period duration, min:sec	Accumulated emission time, min:sec
Begin Observation	<u>13:15-13:35</u>	<u>20 min</u>	<u>0.0</u>
	<u>13:35-13:40</u>	<u>BREAK</u>	_____
	<u>13:40-14:00</u>	<u>20 min</u>	<u>0.0</u>
	<u>14:00-14:05</u>	<u>BREAK</u>	_____
	<u>14:05-14:25</u>	<u>20 min</u>	<u>0.0</u>
	<u>14:25-14:30</u>	<u>BREAK</u>	_____
	<u>14:30-14:50</u>	<u>20 min</u>	<u>0.0</u>
	<u>14:50-14:55</u>	<u>BREAK</u>	_____
	<u>14:55-15:15</u>	<u>20 min</u>	<u>0.0</u>
End Observation	<u>13:15-15:15</u>	<u>100 min</u>	<u>0.0</u>



OCS Environmental, Inc.  
Method 9 Source Layout Sketch

Date: 10/20/2022

Observer Name: CDubin

Begin Time: 09:15

Time End: 15:15

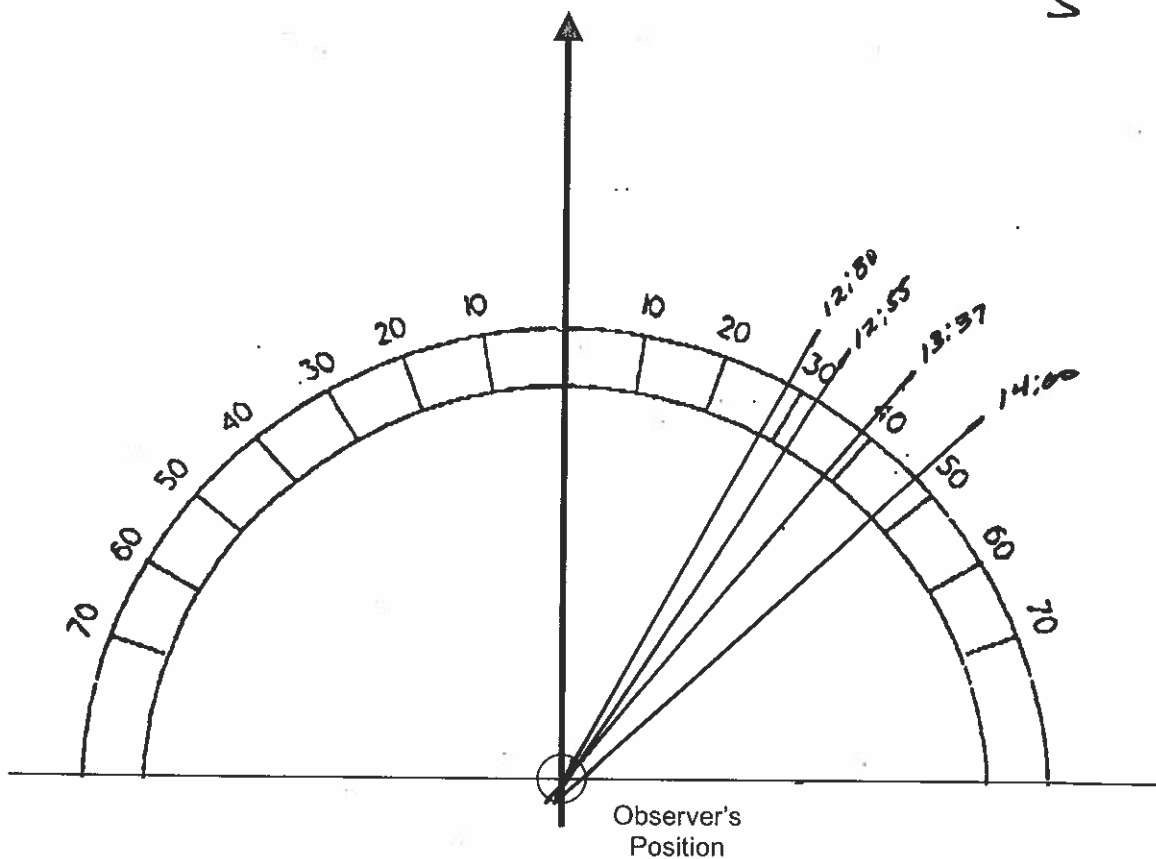
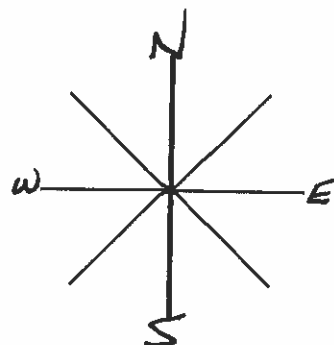
No Sun Visible Times

09:45, 10:15, 10:45

11:15, 11:35, 12:05

14:30, 15:00

Observation Point



Signature: CDubin