Pushing Observations

Date 6-28-07

Observer Johnson

Battery No. 2 (5) 7

Start Time 0726 00

Finish Time 1045 00

Oven No.	Door Removal hh:mm:ss	Push Time Start hh:mm:ss	Push Time End mm:ss	Travel Time Start mm:ss	Travel Time End mm:ss	Door Replaced mm:ss	Duration Time mm:ss	Push Opacity 0	Push Opacity 15	Push Opacity 30	Push Opacity 45	Travel Opacity 0	Travel Opacity 15	Travel Opacity 30	Travel Opacity 45
	00	43		2.00	1.26	6.18	3.26	0	0	0	0	0	0	0	0
								0	0	0	0	0			
								0				Mact Avg.		0.00 %	
49	0726	0730	+120	120	+86	+378	206					IDEM Avg.		0.00 %	
	12	13		2.11	1.21	6.39	3.32	0	0	30	40	15	15	0	0
								45	20	10	10	0	0		
								10				Mact Avg.		13.00 %	
54	0738	0747	+131	131	+81	+399	212					IDEM Avg.		25.83 %	
	00	36		2.06	1.17	7.13	3.23	0	10	10	0	0	0	0	0
								0	0	0	0	0			
								0				Mact Avg.		1.43 %	
64	0759	0812	+126	126	+77	+433	203					IDEM Avg.		3.33 %	
	31	00		2.35	1.09	6.58	3.44	0	10	15	0	0	0	0	0
								0	0	0	0				
								0	0	0		Mact Avg.		1.67 %	
69	0822	0829	+155	155	+69	+418	224					IDEM Avg.		4.17 %	
	42	00		1.58	1.07	6.09	3.05	0	10	20	0	0	0	0	0
								0	0	0	0	0			
												Mact Avg.		2.31 %	
74	0837	0842	+118	118	+67	+369	185					IDEM Avg.		5.00 %	
	28	12			1.23		2.53	0	0	0	0	0	0	0	0
								0	0	0		0			
												Mact Avg.		0.00 %	
7	1025	1040	+90	90	+83	+	173					IDEM Avg.		0.00 %	

Oven No. Of Door Removed Exceeding 20% Opacity Before Push

Passed (Extended) Oven Nos.:

Passed (Out of Service) Oven Nos:

Passed (Green) Oven Nos.: #59 #2

Other Comments:

Temperature 70°

Wind Speed 8

Wind Direction NW

Humidity 93%

Gas Cleaner 9121 9122 9119 Baghouse Door Machine: East (West)

Pushing Observations

Date 05/13/07

Observer Jon Simpson

Battery No. 2 5 7

Start Time 0700

Finish Time 1115

	Door Removal hh:mm:ss	Push Time Start hh:mm:ss	Push Time End mm:ss	Travel Time Start mm:ss	Travel Time End mm:ss	Door Replaced mm:ss	Duration Time mm:ss	Push Opacity 0	Push Opacity 15	Push Opacity 30	Push Opacity 45	Travel Opacity 0	Travel Opacity 15	Travel Opacity 30	Travel Opacity 45
4	11 25	13 16	2:27			5:10	3:26	0	35	35	25	10	10	10	10
								10	5	5	0				
								0	0			Mact Avg.		11.07 %	
	09	08	+147	147	+59	+310	206					IDEM Avg.		19.17 %	
0	47 45	50 07	1:43			3:13	2:43	0	30	15	5	0	0	0	0
								0	0	0					
												Mact Avg.		4.55 %	
	08	08	+103	103	+60	+193	163					IDEM Avg.		8.33 %	
2	20 14	25 26	1:57			3:44	3:00	0	10	5	0	0	0	0	0
								5	0	0	0	0			
												Mact Avg.		1.54 %	
	09	09	+117	117	+63	+234	180					IDEM Avg.		3.33 %	
0	32 55	35 47	1:34			2:28	2:40	0	10	10	10	10	10	5	0
								0	0	0					
												Mact Avg.		5.00 %	
	09	09	+94	94	+66	+148	160					IDEM Avg.		5.00 %	
7	42 55	47 55	2:46			4:07	3:48	0	75	60	25	10	10	10	10
								20	10	5	0				
								0	0	0	0	Mact Avg.		14.69 %	
	09	09	+166	166	+62	+247	228					IDEM Avg.		32.50 %	
36	46 45	07 51	2:11			3:42	3:11	0	0	40	30	15	15	10	10
								15	15	10	0				
								0				Mact Avg.		12.31 %	
	10	11	+131	131	+60	+222	191					IDEM Avg.		18.33 %	

Oven No. Of Door Removed Exceeding 20% Opacity Before Push: NONE

Passed (Extended) Oven Nos.: 48, 60, 87

Passed (Out of Service) Oven Nos: 38, 40, 42, 44, 46, 50

Passed (Green) Oven Nos.: 30, 32, 36

Other Comments:

Temperature 49°

Wind Speed 3

Wind Direction SE

Humidity 52%

Gas Cleaner 9121 9122 9119 Baghouse Door Machine: East West

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INSPECTION SUMMARY

DATE 5-8-07 INSPECTOR CSwalle SHIFT A

PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒

BATTERY NO.: 1 ☐ 2 ☐ 5 ☐ 7 ☒ E ☐ H ☐

Inspection Times		Inspection Data		Percent Leakage Calculations
Start	Finish			
0028	0029	# Ovens Out of Service = 0 # Doors Not Observed = 0 Total # Doors Obs. = 154	PS Doors Leaking = 5 CS Doors Leaking = 12 Total Leaking Doors = 17	No. Door Leaks / No. Doors Observed x 100 = Percent Leakage 11.04 % Leakage Door Inspection Limit ____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
		Total # Collector Main Leaks Observed =		
0038	0039	# Ovens Out of Service = 0 # Lids Not Observed = 12 # Lids Observed = 219	Total Leaking Lids = 0	No. Lid Leaks / No. Lids Observed x 100 = Percent Leakage 0 % Leakage Lid Inspection Limit ____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
0040	0042	# Ovens Out of Service = 0 # Offtakes Not Observed = 8 # Offtakes Observed = 146	Total Leaking Offtakes = 3	No. Offtake Leaks / No. Offtakes Observed x 100 = Percent Leakage 2.05 % Leakage Offtake Inspection Limit ____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
0055	0141	Seconds Per Charge / Oven No. 1. 1.5 / 44 2. 2.0 / 46 3. 1.0 / 48 4. 1.5 / 50 5. 2.0 / 52	Total Seconds for Five Charges = 8.0	Charging Inspection Limit = 60 Second for five charges (Log for 30 day rolling average) PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT

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COKE OVEN DOOR EMISSIONS INSPECTION

DATE 5-8-07 INSPECTOR C Swallow

PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒

BATTERY NO.: 1 ☐ 2 ☐ 5 ☐ 7 ☒ E ☐ H ☐

Oven No.	Push Side	Coke Side
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		X
13		
14		
15		
16	X	X
17		
18		X
19		
20		X
21		
22		X
23		
24		X
25		
26	X	
27		
28	X	
29		
30		
31		

Oven No.	Push Side	Coke Side
32		X
33		
34	X	X
35		
36		X
37		
38	X	X
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		X
61		X
62		

Oven No.	Push Side	Coke Side
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		

Push Side Traverse: Start Time 0028 Stop Time 0029

Maximum Time (sec) 358 Actual Time 84 Valid Run ☒ Y ☐ N

Coke Side Traverse: Start Time 0023 Stop Time 0026

Maximum Time (sec) 428 Actual Time 120 Valid Run ☒ Y ☐ N

Total Number of Ovens 77

Ovens Out of Service 0

Total Number of Doors 154

Number of Doors Not Observed 0

Total Number of Doors Observed 154

Back Pressure: CW 532 PW 571

CE 508 PE 524

Legend

X = Leak OOS = Out-Of-Service

BL = Blocked O = Off

Summary

Push Side Door Leaks 8

Coke Side Doors Leaks 12

Comments:

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INSPECTION SUMMARY

DATE 5-4-07 INSPECTOR CSwallow SHIFT D+C

PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒

BATTERY NO.: 1 ☐ 2 ☒ 5 ☐ 7 ☐ E ☐ H ☐

Inspection Times		Inspection Data				Percent Leakage Calculations
Start	Finish					
1406	1410	# Ovens Out of Service =	9	PS Doors Leaking =	0	No. Door Leaks / No. Doors Observed x 100 = Percent Leakage
		# Doors Not Observed =	0	CS Doors Leaking =	0	0 % Leakage
		Total # Doors Obs. =	96	Total Leaking Doors =	0	Door Inspection Limit ____% for 30 day rolling average
						PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
____	____	Total # Collector Main Leaks Observed =			____	
1418	1420	# Ovens Out of Service =	9	Total Leaking Lids =	0	No. Lid Leaks / No. Lids Observed x 100 = Percent Leakage
		# Lids Not Observed =	20			0 % Leakage
		# Lids Observed =	172			Lid Inspection Limit ____% for 30 day rolling average
						PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
1415	1417	# Ovens Out of Service =	9	Total Leaking Offtakes =	5	No. Offtake Leaks / No. Offtakes Observed x 100 = Percent Leakage
		# Offtakes Not Observed =	10			5.81 % Leakage
		# Offtakes Observed =	86			Offtake Inspection Limit ____% for 30 day rolling average
						PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
1446	1541	Seconds Per Charge / Oven No.		Total Seconds for Five Charges =	45.0	Charging Inspection
		1. 10.5 / 35				Limit = 60 Second for five charges (Log for 30 day rolling average)
		2. 8.5 / 37				
		3. 8.0 / 39				
		4. 9.0 / 41				
		[illegible]				PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT

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TOPSIDE INSPECTION (LIDS & OFFTAKES)

DATE 5-4-07 INSPECTOR C. Swallow

PLANT: CITIZENS GAS (Indianapolis) [ ] MITTAL (Burns Harbor) [ ] US STEEL (Gary) [X]

BATTERY NO.: 1 [ ] 2 [X] 5 [ ] 7 [ ] E [ ] H [ ]

Oven No.	OFFTAKES Push Side	OFFTAKES Coke Side	LIDS 1	2	3	4	5	Oven No.	OFFTAKES Push Side	OFFTAKES Coke Side	LIDS 1	2	3	4	5	Oven No.	OFFTAKES Push Side	OFFTAKES Coke Side	LIDS 1	2	3	4	5
1	OOS							32								63							
2								33								64							
3								34								65							
4								35	O	O	O	O	O	O		66							
5								36	X							67							
6								37	O	O	O	O	O	O		68							
7								38								69							
8								39	O	O	O	O	O	O		70							
9								40								71							
10								41	O	O	O	O	O	O		72							
11								42								73							
12		X						43	O	O	O	O	O	O		74							
13								44								75							
14								45								76							
15								46	OOS							77							
16	X							47								78							
17								48								79							
18								49								80							
19								50								81							
20								51	OOS							82							
21								52								83							
22	OOS							53								84							
23								54	OOS							85							
24								55								86							
25		X						56								87							
26	X							57								88							
27								58								89							
28								59								90							
29								60								91							
30								61								92							
31								62								93							

Lids Traverse: Start Time 1418 Stop Time 1420

Total Number of Ovens 57 Maximum Time (sec) 228 Actual Time 88 Valid Run [X] Y [ ] N

Ovens Out of Service 9 Offtakes Traverse: Start Time 1415 Stop Time 1417

Maximum Time (sec) 228 Actual Time 144 Valid Run [X] Y [ ] N

OFFTAKES		LIDS		Legend
Total No. of Offtakes	114	Total No. of Lids	228	X = Leak
No. of Offtakes Not Observed	10	No. of Lids Not Observed	20	OOS = Out-Of-Service
Total No. of Offtakes Observed	56	Total No. of Lids Observed	120	O = Open
No. of Offtakes Leaking	5	No. of Lids Leaking	0	

Comments: 36 B 36 F 25 SC 16 B 12 SC

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INSPECTION SUMMARY

DATE 4-26-07 INSPECTOR CSwallw SHIFT C

PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒

BATTERY NO.: 1 ☐ 2 ☒ 5 ☐ 7 ☐ E ☐ H ☐

Inspection Times		Inspection Data		Percent Leakage Calculations
Start	Finish			
1626	1630	# Ovens Out of Service = 9 # Doors Not Observed = 0 Total # Doors Obs. = 96	PS Doors Leaking = 1 CS Doors Leaking = 1 Total Leaking Doors = 2	No. Door Leaks / No. Doors Observed x 100 = Percent Leakage 2.08 % Leakage Door Inspection Limit ____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
		Total # Collector Main Leaks Observed =		
1634	1636	# Ovens Out of Service = 9 # Lids Not Observed = 20 # Lids Observed = 172	Total Leaking Lids = 0	No. Lid Leaks / No. Lids Observed x 100 = Percent Leakage 0 % Leakage Lid Inspection Limit ____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
1637	1639	# Ovens Out of Service = 9 # Offtakes Not Observed = 10 # Offtakes Observed = 86	Total Leaking Offtakes = 6	No. Offtake Leaks / No. Offtakes Observed x 100 = Percent Leakage 6.98 % Leakage Offtake Inspection Limit ____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: ☐ IN ☐ OUT
		Seconds Per Charge / Oven No. 1 [illegible] / 30	Total Seconds for Five Charges = 42.0	Charging Inspection Limit = 60 Second for five charges

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TOPSIDE INSPECTION (LIDS & OFFTAKES)

DATE 4-26-07 INSPECTOR CSwallow

PLANT: CITIZENS GAS (Indianapolis) [ ] MITTAL (Burns Harbor) [ ] US STEEL (Gary) [X]

BATTERY NO.: 1 [ ] 2 [X] 5 [ ] 7 [ ] E [ ] H [ ]

Oven No.	OFFTAKES Push Side	OFFTAKES Coke Side	LIDS 1	2	3	4	5	Oven No.	OFFTAKES Push Side	OFFTAKES Coke Side	LIDS 1	2	3	4	5	Oven No.	OFFTAKES Push Side	OFFTAKES Coke Side	LIDS 1	2	3	4	5
1	OOS	—	—	—	—	—		32	O	O	O	O	O	O		63							
2								33								64							
3								34	O	O	O	O	O	O		65							
4								35								66							
5								36	O	O	—	O	O	—		67							
6								37								68							
7								38	O	O	—	O	O	—		69							
8								39								70							
9								40								71							
10								41								72							
11								42								73							
12		X						43								74							
13								44								75							
14								45								76							
15		X						46	OOS	—	—	—	—	—		77							
16		X						47		—	—	—	—	—		78							
17								48		—	—	—	—	—		79							
18								49		—	—	—	—	—		80							
19								50		—	—	—	—	—		81							
20								51	OOS	—	—	—	—	—		82							
21								52								83							
22	OOS	—	—	—	—	—		53		X						84							
23								54	OOS	—	—	—	—	—		85							
24								55								86							
25		X						56								87							
26								57								88							
27								58								89							
28		X						59								90							
29								60								91							
30	O	O	O	O	O	O		61								92							
31								62								93							

Total Number of Ovens 57

Ovens Out of Service 9

Lids Traverse: Start Time 1634 Stop Time 1636
Maximum Time (sec) 228 Actual Time 90 Valid Run [X] Y [ ] N

Offtakes Traverse: Start Time 1637 Stop Time 1639
Maximum Time (sec) 288 Actual Time 146 Valid Run [X] Y [ ] N

OFFTAKES		LIDS		Legend
Total No. of Offtakes	114	Total No. of Lids	228	X = Leak
No. of Offtakes Not Observed	10	No. of Lids Not Observed	90	OOS = Out-Of-Service
Total No. of Offtakes Observed	86	Total No. of Lids Observed	132	O = Open
No. of Offtakes Leaking	6	No. of Lids Leaking	0	

Comments:

STATUS: APPROVED

Return Main | Previous | Next

Insp Number:	3129	Insp Date:	4/10/2007
Insp Class:	Self Monitoring	Inspector:	KREBS, CHARLES
Insp Plant:	Gary Works		
Monitor Point:	No. 1 BOP Shop Roof Monitor		
Duration:	2 Hr		

SOURCE LAYOUTS

Edit SourceLayout

Acknowledgements

Name	Sign Off	Phone	Comments	
MANGAHAS,MICHAEL		x 4116		
REYES,MAYELLA	Y	x7850	Comments	Submit

Acknowledge Users..

CONDITIONS

<< 1 OF 1 >> Create New Condition | Save Conditions | Update Conditions | Delete

Date & Time:		4/10/2007 7:00:00 AM	
Background Color:	blue	Sky Conditions:	Clear
Wind Speed:	5	Wind Direction:	SOUTH EAST
Ambeint Temp:	27	Relative Humidity	82
Wet Bulb Temp:		Plume Type:	Attached

OBSERVATION POINTS

(Choose from Available Observation Points to Add to List; Selecet Obs. Point from list to enable Deletion)

Available Points:	None Selected
Minute:	0
Add	Delete

List of Selected Observation Points:

0	SP1 Primary Location - Substation 108

Method Limit	Limit Type and Color
20% over 3 Min	20% OPEN

13% over 3 Min 13.5% - USS INTERNAL AUDIT

READINGS / OBSERVATIONS

Save Readings Add New Session View Exceedances

Session 0 Start Time: **Hour** 7 **Minute:** 0 **AM/PM** AM

Session 0 Comments:

Session	Time	:00	:15	:30	:45	Reading Comments (Minute)
0	7:00	0	0	0	0	
0	7:01	0	0	0	0	
0	7:02	0	0	0	0	SC-D41099
0	7:03	0	0	0	0	
0	7:04	0	0	0	0	HMC - D
0	7:05	0	0	0	0	
0	7:06	0	5	15	15	HMCC - D - GRAY
0	7:07	10	5	0	0	BLOW - D
0	7:08	0	0	0	0	
0	7:09	0	0	0	0	
0	7:10	0	0	0	0	
0	7:11	0	0	0	0	SC - M45239
0	7:12	0	0	0	0	
0	7:13	0	0	0	0	
0	7:14	0	0	0	0	HMC - M
0	7:15	0	0	0	0	
0	7:16	0	0	0	0	HMCC - M
0	7:17	0	0	0	0	BLOW - M
0	7:18	0	0	0	0	
0	7:19	0	0	0	0	
0	7:20	0	0	0	0	
0	7:21	0	0	0	0	
0	7:22	0	0	0	0	
0	7:23	0	0	0	0	
0	7:24	0	0	0	0	
0	7:25	0	0	0	0	

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
0	7:26	0	0	0	0	
0	7:27	0	0	0	0	
0	7:28	0	0	0	0	
0	7:29	0	0	0	0	TD - D
0	7:30	0	0	0	0	
0	7:31	0	0	0	0	
0	7:32	0	0	0	0	
0	7:33	0	0	0	0	
0	7:34	0	0	0	0	
0	7:35	0	0	0	0	TD - M
0	7:36	0	0	0	0	
0	7:37	0	0	0	0	
0	7:38	0	0	0	0	
0	7:39	0	0	0	0	
0	7:40	0	0	0	0	TAP - D
0	7:41	0	0	0	0	
0	7:42	0	0	0	0	
0	7:43	0	0	0	0	TAP - M
0	7:44	0	0	0	0	
0	7:45	0	0	0	0	
0	7:46	0	0	0	0	
0	7:47	0	0	0	0	
0	7:48	0	0	0	0	
0	7:49	0	0	0	0	
0	7:50	0	0	0	0	
0	7:51	0	0	0	0	
0	7:52	0	0	0	0	
0	7:53	0	0	0	0	
0	7:54	0	0	0	0	
0	7:55	0	0	0	0	
0	7:56	0	0	0	0	
0	7:57	0	0	0	0	
0	7:58	0	0	0	0	
0	7:59	0	[redacted]	[redacted]	[redacted]	

0	8:00	0	[illegible]	[illegible]	[illegible]	
0	8:01	10	[illegible]	[illegible]	[illegible]	DARK BROWN - D
0	8:02	55	[illegible]	[illegible]	[illegible]	DARK GRAY 72.1
0	8:03	90	[illegible]	[illegible]	[illegible]	BROWN
0	8:04	55	100	[illegible]	[illegible]	
0	8:05	100	[illegible]	[illegible]	[illegible]	78.8
0	8:06	60	[illegible]	[illegible]	[illegible]	SC - M45240
0	8:07	45	[illegible]	[illegible]	[illegible]	
0	8:08	0	0	0	0	
0	8:09	0	0	0	0	
0	8:10	0	0	0	0	
0	8:11	0	0	0	0	
0	8:12	0	0	0	0	
0	8:13	0	0	0	0	
0	8:14	0	0	0	0	
0	8:15	0	0	0	0	
0	8:16	0	0	0	0	
0	8:17	0	0	0	0	
0	8:18	0	0	0	0	
0	8:19	0	0	0	0	SC -D
0	8:20	0	0	0	0	
0	8:21	0	0	0	0	HMC - D
0	8:22	0	0	0	0	HMCC - D
0	8:23	0	0	0	0	
0	8:24	0	0	0	0	BLOW - D
0	8:25	0	0	0	0	
0	8:26	0	0	0	0	
0	8:27	0	0	0	0	
0	8:28	0	0	0	0	
0	8:29	0	0	0	0	
0	8:30	0	0	0	0	
0	8:31	0	0	0	0	
0	8:32	0	0	0	0	
0	[illegible]	0	0	0	0	

0	8:33	0	0	0	0	
0	8:34	0	0	0	0	
0	8:35	0	0	0	0	
0	8:36	0	0	0	0	HMC - M
0	8:37	0	0	0	0	HMCC - M
0	8:38	0	0	0	0	
0	8:39	0	0	0	0	
0	8:40	0	0	0	0	BLOW -M
0	8:41	0	0	0	0	
0	8:42	0	0	0	0	
0	8:43	0	0	0	0	
0	8:44	0	0	0	0	TD - D
0	8:45	0	0	0	0	
0	8:46	0	0	0	0	
0	8:47	0	0	0	0	
0	8:48	0	0	0	0	
0	8:49	0	0	0	0	REBLOW - D
0	8:50	0	0	0	0	
0	8:51	0	0	0	0	TAP - D
0	8:52	0	0	0	0	
0	8:53	0	0	0	0	
0	8:54	0	0	0	0	
0	8:55	0	0	0	0	
0	8:56	0	0	0	0	
0	8:57	0	0	0	0	
0	8:58	0	0	0	0	
0	8:59	0	0	0	0	TD - M