



NATIONAL TRANSPORTATION SAFETY BOARD
Investigative Hearing

Norfolk Southern Railway general merchandise freight train 32N
derailment with subsequent hazardous material release and fires,
in East Palestine, Ohio, on February 3, 2023

GROUP	H
EXHIBIT	
41	

Agency / Organization

Transportation Communication Union (TCU/IAM)

Title

**Submisison to Hearing
Norfolk Southern
Time Study**



Process Standards	
Minutes Per Car	
3	Outbound
3.6	Inbound



OUTBOUND YARD				Date:	7/2/2014					
Train Symbol	No. Cars	Track	Shift	# Carmen	Inspectors	Inspection Plan	Inspection Minutes	Variance	# Yard Repairs	
176	17	CL09	XXX	XXXXXX	MW	#VALUE!	55	#VALUE!	0	
289	29	17	3	2	TK ER	44	50	7		
289	28	10	3	2	TK ER	42	55	13		
171	22	7	3	2	TK ER	33	45	12		
178	56	11	3	1	MM	168	170	2		
B70	11	EB06	3	1	DS	33	25	8		
CN	21	EB13	3	1	DS	63	70	7		
T28	35	EB12	3	1	DS	105	105	0		
176	24	EB09	1	2	SD BM	36	60	24	0	
176	20	EB13	1	2	SD BM	30	50	20	0	
B73	4	EB06	1	1	BM	12	15	3	0	
181	38	MF09	2	1	KRM RH	114	55	59	0	
181	28	MF08	2	2	KRM RH	42	45	3	0	
14T	32	MF13	2	2	EM SM	48	103	55	0	
14T	13	MF11	2	1	EM SM	39	46	7	0	
CN	20	CL06	2	2	KM	30	60	30	0	

INBOUND INSPECTION									
Train Symbol	No. Cars	Track	Inspectors	# Carmen	Shift	Inspection Plan	Inspection Minutes	Variance	# Yard Repairs
B19	20	6	TK ER	2	3	36	45	9	
CN	20	9	SD BM	2	1	36	42	6	0
CSXT	10		SWITCHED			#DIV/0!			
171	107		SWITCHED			#DIV/0!			
B53	20		SWITCHED			#DIV/0!			
B73	7		SWITCHED			#DIV/0!			
B40	3		SWITCHED			#DIV/0!			
CN	22		SWITCHED			#DIV/0!			
B73	1		SWITCHED			#DIV/0!			
332	27		SWITCHED			#DIV/0!			



Process Standards	
Minutes Per Car	
2.5	Outbound
0.5	Inbound



OUTBOUND YARD					Date:	7/2/2019	
Train Symbol	No. Cars	Track	Shift	# Carmen	Inspectors	Inspection Plan	
289	24	MF08	3	1	EM	60	
289	30	MF12	3	2	ER DS	38	
331	42	MF10	1	2	SD BM	53	
331	51	MF11	3	2	ER DS	64	
331	32	MF14	1	2	SD BM	40	
CP	39	EB09	3	1	JP	98	
CN	25	EB07	3	1	JP	63	
CSXT	18(1)	EB10					
L64	41(2)	EB11	1	1	LB	#VALUE!	
331R	28	MF15	1	2	SD BM	35	
176	23	EB15	1	1	LB	58	
176	16	EB14	1	1	LB	40	
176	24	EB13	1	1	LB	60	
121	27	MF08	1	2	SD BM	34	
121	23	MF17	1	2	SD BM	29	
B70	9	EB09	1	1	LB	23	
B73	5	EB06	1	1	DJS	13	
C95	4	EB08	1	1	LB	10	
B19	13	MF07	1	1	LB	33	
181	35	MF09	2	2	JM DL	44	

INBOUND INSPECTION						
Train Symbol	No. Cars	Track	Shift	# Carmen	Inspectors	Inspection Plan
B19	25	MF04	1	2	LE LB	6
B19	41	MF03	1	2	LE LB	10
CN102	4	MF05	1	1	LE LB	2
B73	4	MF05	1	1	LE LB	2
332	54	MF07	1	2	LE LB	14



Process Standards	
Minutes Per Car	
2.5	Outbound
0.5	Inbound



OUTBOUND YARD				Date:	7/2/2020		
Train Symbol	No. Cars	Track	Shift	# Carmen	Inspectors	Inspection Plan	
CN	23	CL04	3	1	EM	58	
CN	26	EB06	3	1	EPR	65	
181	14	MF04	3	1	EPR	35	
331	29	MF12	3	2	LAW DJS	36	
331	40	MF11	3	2	LAW DJS	50	
189	43	MF14	3	2	LAW DJS	54	
181	39	MF07	3	1	EM	98	
331	18	MF16	3	1	EM	45	
331	59	MF03	3	2	EM EPR	74	
181	43	MF09	3	2	LAW DJS	54	
189	53	MF10	1	2	BE SD	66	
CPT28	13	CL11	1	1	EJM	33	
CPT28	24	EB11	1	1	EJM	60	
CN	37	EB07	1	1	TSK	93	
CN	12	CL10	1	1	EJM	30	
CN	29	CL05	2	1	LE	73	
176	40	EB14	2	2	BB LE	50	
121	18	MF07	2	1	JM	45	
181	27	MF06	2	2	TSK JM	34	
181	35	MF08	2	2	TSK JM	44	
181	35	MF09	2	2	MF JM	44	
176	12	EB12	2	1	BB	30	

INBOUND INSPECTION						
Train Symbol	No. Cars	Track	Shift	# Carmen	Inspectors	Inspection Plan
334	101	CL06L04	3	2	LAW DJS	25
334	40	CL03	3	1	EPR	20
B19	36	MF05	1	2	EJM TSK	9
B19	25	MF06	1	2	EJM TSK	6
CN102	39	MF09	1	2	BE SD	10