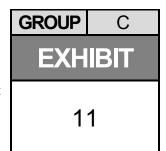


## National Transportation Safety Board Investigative Hearing

Washington Metropolitan Area Transit Authority Metrorail train 302 that encountered heavy smoke in the tunnel between the L'Enfant Plaza Station and the Potomac River Bridge on January 12, 2015



Agency / Organization WMATA

Title

Tunnel Leak Inspection Report 2010, L'Enfant Plaza to L'Enfant Plaza Portal

Docket ID: DCA 15 FR 004



#### WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

# TUNNEL LEAK INSPECTION REPORT

F03 L'Enfant Plaza to L'Enfant Plaza Portal OB (3,800

Inspected By: Bradley Ricketts*			Date Inspected: 5/1/2010 Report Generated:		
Category 1 -	Active water leaks (severe) elements such as: rail, rail fasteners, lights fixtures, et	) which are directly causing damage and fasteners, and other track components, stc.	premature loss of service life to current witch hardware, hand railing, safety gra	operating system b rails, fire line, cable	
Category 2 -	Active or seasonal water le damage to a element, but	eaks with a volume less than 30 drips/min will reduce the service life of the current of	ute, which leak into the tunnel, but aren perating systems due to moisture and h	t directly causing numidity.	
Category 3 - <sup>-</sup>	Tunnel Water Leaks (DAN	MP AREAS)			
CHAIN MARKER	TUNNEL AREA 3R CRN SW INV	COMPONENTS AFFECTED W L HW SW R FL	Location & CATEGORY DRAIN 1, 2 OR 3 SIZE	REMARKS	
92+40	Х		2		
88+80	X		2		
88+30	ХХ	x x x	1	See Photo(s): 1, 2, 3	
70+60	X		2		
70+35	хх	X X	1		
70+25	Х	X X	1		
0+25 69+70	X	X X	2		
69+30	X	X	2		
69+00	X	X	2		
67+70	X	X	2		
55+35	X		1	See Photo(s): 4	
53+10	X	X X	1		
3R=3rd rail R=rail	INV=invert area CRN=Crown	HW=Track hardware L=Lights	SW=Safety walk Area FL=Fire line	W=wire	
CHAIN MARKER	TUNNEL AREA 3R CRN SW INV	COMPONENTS AFFECTED W L HW SW R FL	Location & CATEGORY DRAIN SIZE  CATEGORY 1, 2 OR 3	REMARKS	
		THINK SAFETY F	IRST		



#### WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

### TUNNEL LEAK INSPECTION REPORT F03 L'Enfant Plaza to L'Enfant Plaza Portal OB (3,800

Ft)

Inspected E	By: Bradley Ricketts*			nspected: 5/1 t Generated:	/2010
	Active water leaks (severe) elements such as: rail, rail fasteners, lights fixtures, et	) which are directly causing damage and p fasteners, and other track components, sv c.	oremature loss of ser witch hardware, hand	vice life to current I railing, safety gra	operating system b rails, fire line, cable
Category 2 -	Active or seasonal water le damage to a element, but v	eaks with a volume less than 30 drips/minu will reduce the service life of the current op	ute, which leak into the perating systems due	ne tunnel, but aren to moisture and h	t directly causing numidity.
Category 3 - <sup>-</sup>	Tunnel Water Leaks (DAM	MP AREAS)			
CHAIN MARKER	TUNNEL AREA 3R CRN SW INV	COMPONENTS AFFECTED W L HW SW R FL	Location & DRAIN SIZE	CATEGORY 1, 2 OR 3	REMARKS
3R=3rd rail R=rail	INV=invert area CRN=Crown	HW=Track hardware L=Lights	SW=Safety walk	: Area	W=wire
CHAIN MARKER	TUNNEL AREA 3R CRN SW INV	COMPONENTS AFFECTED W L HW SW R FL	Location & DRAIN SIZE	CATEGORY 1, 2 OR 3	REMARKS
		THINK SAFETY F	IRST		



#### WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

### TUNNEL LEAK INSPECTION REPORT

#### F03 L'Enfant Plaza to L'Enfant Plaza Portal OB (3,800

Ft)

	By: Bradley Ricketts*		Inspected: 5/rort Generated:	1/2010
Category 1 -		) which are directly causing dam fasteners, and other track compete.		
Category 2 -		eaks with a volume less than 30 will reduce the service life of the		
Category 3 -	Tunnel Water Leaks (DAI	MP AREAS)		

W=wire 3R=3rd rail INV=invert area HW=Track hardware SW=Safety walk Area CRN=Crown FL=Fire line R=rail L=Lights CHAIN CATEGORY TUNNEL AREA COMPONENTS AFFECTED Location & REMARKS MARKER DRAIN 1, 2 OR 3 L HW SW R FL 3R CRN SW INV

# WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY L Line Tunnel Leaks Track 2 OB (6,100 Ft) - F03 L'Enfant Plaza to L'Enfant Plaza Portal OB (3,800 Ft)



Photo 1
Active leak at CM# 88+30



Photo 2
Active leak at CM# 88+30

# WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY L Line Tunnel Leaks Track 2 OB (6,100 Ft) - F03 L'Enfant Plaza to L'Enfant Plaza Portal OB (3,800 Ft)



Photo 3
Active leak at CM# 88+30



Photo 4
Active leak at CM# 55+35