



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

<b>GROUP</b>	<b>C</b>
<b>EXHIBIT</b>	
13	

Agency / Organization

WMATA

Title

Tunnel Leak Inspection Report 2012,  
L'Enfant Plaza to L'Enfant Plaza Portal



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
**TUNNEL LEAK INSPECTION REPORT**  
 F03 L'Enfant Plaza to L'Enfant Plaza Portal OB (3,800 Ft)

Inspected By: James Davis\*

Date Inspected: 4/10/2012  
 Report Generated:

Category 1 - Active water leaks (severe) which are directly causing damage and premature loss of service life to current operating system elements such as: rail, rail fasteners, and other track components, switch hardware, hand railing, safety grab rails, fire line, cable fasteners, lights fixtures, etc.

Category 2 - Active or seasonal water leaks with a volume less than 30 drips/minute, which leak into the tunnel, but aren't directly causing damage to a element, but will reduce the service life of the current operating systems due to moisture and humidity.

Category 3 - Tunnel Water Leaks (DAMP AREAS)

CHAIN MARKER	TUNNEL AREA 3R CRN SW INV				COMPONENTS AFFECTED					Location & DRAIN SIZE	CATEGORY 1, 2 OR 3	REMARKS
					W	L	HW	SW	R			
52+90			X		X			X			1	
55+40			X	X				X	X		1	An FSR was sent to Steve Coleman 2-21-12 concerning this item. See attached form.
66+10			X								3	
67+70			X					X			1	
69+30			X		X			X			1	
69+70			X					X			1	
70+10			X					X			1	
70+15	X							X			1	
70+60		X						X			1	Tunnel changes from concrete to steel
71+55											2	Drip pan has rusted out.
77+25		X									3	
87+30		X									3	

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					Location & DRAIN SIZE	CATEGORY 1, 2 OR 3	REMARKS
					W	L	HW	SW	R			

**THINK SAFETY FIRST**



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
**TUNNEL LEAK INSPECTION REPORT**  
 F03 L'Enfant Plaza to L'Enfant Plaza Portal OB (3,800 Ft)

Inspected By: James Davis\*

Date Inspected: 4/10/2012  
 Report Generated:

Category 1 - Active water leaks (severe) which are directly causing damage and premature loss of service life to current operating system elements such as: rail, rail fasteners, and other track components, switch hardware, hand railing, safety grab rails, fire line, cable fasteners, lights fixtures, etc.

Category 2 - Active or seasonal water leaks with a volume less than 30 drips/minute, which leak into the tunnel, but aren't directly causing damage to a element, but will reduce the service life of the current operating systems due to moisture and humidity.

Category 3 - Tunnel Water Leaks (DAMP AREAS)

CHAIN MARKER	TUNNEL AREA 3R CRN SW INV	COMPONENTS AFFECTED						Location & DRAIN SIZE	CATEGORY 1, 2 OR 3	REMARKS
		W	L	HW	SW	R	FL			
88+30								1	Leaking on running rail (see attached file for e-mail sent 3-26-11) This condition has been corrected (2012)	
88+80	X							3	cold jt.	
92+40	X							2	cold jt.	

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						Location & DRAIN SIZE	CATEGORY 1, 2 OR 3	REMARKS
		W	L	HW	SW	R	FL			

**THINK SAFETY FIRST**

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  
L2 88+30



Photo 2  
L2 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  
L2 88+30



Photo 4  
L2 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 5  
Overall of area of leak.



Photo 6  
Pipe that is the source of leak and rusting components.

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 7

Foot/grab bar that is unsafe for use.



Photo 8

Safety rail that has rusted away.

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 9

Grab bar that is intertwined with cables.