

NASSCO'S PIPELINE ASSESSMENT & CERTIFICATION PROGRAM (PACP)®

Section 6—Operational and Maintenance (Module 6B)

D DEPOSITS 6-1	D DEPOSITS 6-1 (continued)	D DEPOSITS 6-1 (continued)	R ROOTS 6-7	R ROOTS 6-7 (continued)	R ROOTS 6-7 (continued)	R ROOTS 6-7 (continued)
DA Attached 6-1	DS Settled 6-1	DN Ingress 6-1	RF Fine 6-7	RT Tip 6-7	RM Medium 6-7	RB Ball 6-7
DAE -Encrustation 6-2	DSF -Fine 6-2	DNF -Fine Material (silt & sand) 6-3	RFB -Barrel 6-7	RFB -Barrel 6-7	RMB -Barrel 6-7	RBB -Barrel 6-7
DAS -Grease 6-2	DSGV -Gravel 6-2	DNGV -Gravel 6-3	RFL -Lateral 6-7	RFL -Lateral 6-7	RML -Lateral 6-7	RBL -Lateral 6-7
DAR -Ragging 6-2	DSC -Hard/Compacted 6-2	DNZ -Other 6-3	RFC -Connection 6-7	RTC -Connection 6-7	RMC -Connection 6-7	RBC -Connection 6-7
DAZ -Other 6-2	DSZ -Other 6-2					

I INFILTRATION 6-13	OB OBSTACLES/ Obstructions 6-19	OB OBSTACLES/ Obstructions (cont) 6-19	OB OBSTACLES/ Obstructions (cont) 6-19	OB OBSTACLES/ Obstructions (cont) 6-19	V VERMIN 6-31
IW Weeper 6-13	OB Brick or 6-19	OB Object protruding through wall 6-19	OB Object through connection/junction 6-19	OB Built into structure 6-19	VR Rat 6-31
ID Dripper 6-13	OB Masonry Pipe Material in Invert 6-19	OB Object wedged in joint 6-19	OB External Pipe Cable 6-19	OB Construction Debris 6-20	VC Cockroach 6-31
IR Runner 6-13				OBZ Other 6-20	VZ Other 6-31
IG Gusher 6-13					

Section 7—Construction Features Coding (Module 6C)

T TAP 7-1	T TAP (continued) 7-1	T TAP (continued) 7-1	IS INTRUDING SEAL MATERIAL 7-8	IS INTRUDING SEAL MATERIAL 7-8	L LINE 7-11 (of sewer)	L LINE 7-11 (continued)
TF Factory Made 7-1	TB Break In/hammer (connection) 7-2	TS Saddle (connection) 7-2	TSI -Intruding 7-2	TSI -Intruding 7-2	LL Left 7-11	LRL Right & Up 7-11
TFA -Active 7-2	TBI -Intruding 7-2	TSA -Active 7-2	TSSA -Active 7-2	TSSA -Active 7-2	LDL Left & Down 7-11	LRLD Right & Down 7-11
TFC -Capped 7-2	TBC -Capped 7-2	TSC -Capped 7-2	ISSH -Hanging 7-8	ISSH -Hanging 7-8	LR Left & Right 7-11	LU Right & Down 7-11
TFD -Defective 7-2	TBD -Defective 7-2	TSD -Defective 7-2	ISSB -Broken 7-8	ISSB -Broken 7-8		LD Down 7-11
TFL -Leaking 7-2	TFL -Leaking 7-2	TSL -Leaking 7-2				

A ACCESS POINT 7-13	A ACCESS POINT (continued) 7-13	A ACCESS POINT (continued) 7-13	A ACCESS POINT (continued) 7-13
AMH Manhole 7-13	AOC Other Special Chamber 7-14	ACO Clean Out 7-14	ACB Catch Basin 7-14
AWA Wastewater Access 7-13	AM Meter 7-14	ACOM -Machine 7-14	AEP End of Pipe 7-14
ADP Discharge Point 7-13	AWW Wet Well 7-14	ACOP -Property 7-14	
ATC Tee Connection 7-13	AJB Junction Box 7-14	ACOH -House 7-14	

Section 8—Miscellaneous Features Coding (Module 6D)

M MISC. FEATURES 8-1	M MISC. FEATURES (cont) 8-1	M MISC. FEATURES (cont) 8-1	M MISC. FEATURES (cont) 8-1
MCU Camera 8-1	MSC Change/Size (Sewer Dims/ Vertical/Horizontal) 8-1	MLC Lining Change 8-1	MWM Water Mark 8-2
MGO General Observation 8-1	MJL Pipe Joint Length 8-1	MMC Material Change 8-1	MY Dye Test 8-2
MGP General Photograph 8-1		MSA Survey 8-2	MYV Dye Visible 8-2
		MWL Water Level 8-2	MVN -Not Visible 8-2

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Section 4—Continuous Defect Coding

“TRULY” 4-1
 “Truly” continuous defects run along the sewer without any interruption for more than 3 feet.
 Examples:
 - Longitudinal Fractures
 - Cracks

“REPEATED” 4-1
 “Repeated” continuous defects occur at regular intervals along the sewer. These occur at pipe joints and include:
 -Enrostation
 -Open Joints
 -Circumferential Fractures

Section 5—Structural Defect Coding (Module 6A)

C CRACK 5-1 CL Longitudinal 5-2 CC Circumferential 5-2 CM Multiple 5-2 CS Spiral 5-2	F FRACTURE 5-7 FL Longitudinal 5-7 FC Circumferential 5-7 FM Multiple 5-7 FS Spiral 5-7	B BROKEN 5-14 BSV -Soil Visible Beyond Defect 5-14 BV V -Void Visible Beyond Defect 5-14	H HOLE 5-16 HSV -Soil Visible Beyond Defect 5-16 HV V -Void Visible Beyond Defect 5-16	D DEFORMED 5-18 DV Deformed Vertically (brick) 5-18 DH Deformed Horizontally (brick) 5-18	X COLLAPSE 5-22 XP Pipe Collapse 5-22 XB Brick Collapse 5-22	J JOINT 5-25 JO Joint Offset (Displaced) 5-25 JS Joint Separated (Open) 5-25 JA Joint Angular 5-25
S SURFACE DAMAGE 5-30 SRI Roughness Increased 5-30 SRM -Mechanical 5-31 SRC -Chemical Attack 5-31 SRZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SAV Aggregate Visible 5-30 SAVM -Mechanical 5-31 SAVC -Chemical Attack 5-31 SAVZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SAP Aggregate Projecting 5-30 SAPM -Mechanical 5-31 SAPC -Chemical Attack 5-31 SAPZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SAM Aggregate Missing 5-30 SAMM -Mechanical 5-31 SAMC -Chemical Attack 5-31 SAMZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SRV Reinforcement Visible 5-30 SRVM -Mechanical 5-31 SRVC -Chemical Attack 5-31 SRVZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SRP Reinforcement Projecting 5-30 SRPM -Mechanical 5-31 SRPC -Chemical Attack 5-31 SRPZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SRC Reinforcement Corroded 5-31 SRCM -Mechanical 5-31 SRC C -Chemical Attack 5-31 SRCZ -Not Evident 5-31
S SURFACE DAMAGE 5-30 SMW Missing Wall 5-31 SMWM -Mechanical 5-31 SMWC -Chemical Attack 5-31 SMWZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SSS Surface Spalling 5-31 SSSM -Mechanical 5-31 SSSC -Chemical Attack 5-31 SSSZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SZ Other Projecting 5-31 SZM -Mechanical 5-31 SZC -Chemical Attack 5-31 SZZ -Not Evident 5-32	S SURFACE DAMAGE 5-30 SCP Corrosion (metal pipe) 5-31	LF LINING FAILURE 5-44 LED Detached Lining 5-44 LEDE Defective End 5-44 LEB Bittered Lining 5-44 LFCS Service Cut Shifted 5-44 LEAC Abandoned Connection 5-44	LF LINING FAILURE 5-44 (continued) LFOC Overcut Service 5-44 LFOC Undercut Service 5-44 LFBK Banded Lining 5-44 LEW Wrinkled Lining 5-44 LEZ Other 5-45	WF WELD FAILURE 5-56 WFL Longitudinal 5-56 WFC Circumferential 5-56 WFM Multiple 5-56 WFS Spiral 5-56 WFZ Undersized 5-56
RP POINT REPAIR 5-62 RPR Pipe Replaced 5-62 RPRD -Defective 5-62 RPP Patch Repair 5-62 RPPD -Defective 5-62	RP POINT REPAIR 5-62 (continued) RPL Localized Pipeliner 5-62 RPLD -Defective 5-62 RPZ Other 5-62 RPZD -Defective 5-62	BRICKWORK 5-68 DB Displaced 5-68 MB Missing 5-68 DI Dropped Invert 5-68	BRICKWORK 5-68 (continued) MM Missing Mortar 5-68 S -Small 5-69 M -Medium 5-69 L -Large 5-69			