

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

Section 4—Continuous Defect Coding

"TRULY" 4-1

"Truly" continuous defects run along the sewer without any interruption for more than three feet (1 meter).

- Longitudinal Fractures
- Longitudinal Cracks

"REPEATED" 4-1

"Repeated" continuous defects occur at regular intervals along the sewer. These occur at pipe joints and include:

- Encrustation
- Open Joints
- Circumferential Fractures

Code Changes in Version 6.0.1

Added:
Buckling Wall (KW), Buckling Dimpling (KD), and Buckling Inverse Curvature (KI)

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		
CH Hinge	5-2		

S SURFACE DAMAGE	5-31		
SRI Roughness	5-31		
Increased			
SRI - M - Mechanical			
SRI - C - Chemical			
SRI - Z - Not Evident			

S SURFACE DAMAGE	5-31		
SMW Missing Wall	5-32		
SMW - M - Mechanical			
SMW - C - Chemical Attack			
SMW - Z - Not Evident			

B BROKEN	5-15		
BSV -Soil Visible	5-15		
Beyond Defect			
BV V -Void Visible	5-15		
Beyond Defect			

S SURFACE DAMAGE	5-31		
SAP Aggregate	5-31		
Projecting			
SAP - M - Mechanical			
SAP - C - Chemical			
SAP - Z - Not Evident			

S SURFACE DAMAGE	5-31		
SZ Other	5-32		
SZ - M - Mechanical			
SZ - C - Chemical Attack			
SZ - Z - Not Evident			

H HOLE	5-17		
HSV -Soil Visible	5-17		
Beyond Defect			
HV V -Void Visible	5-17		
Beyond Defect			

S SURFACE DAMAGE	5-31		
SAM Aggregate	5-31		
Missing			
SAM - M - Mechanical			
SAM - C - Chemical Attack			
SAM - Z - Not Evident			

S SURFACE DAMAGE	5-31		
SCP Corrosion	5-32		
*(metal pipe)			
*no modifiers used			

D DEFORMED	5-19		
DV Deformed	5-19		
Vertically (brick)			
DH Deformed	5-19		
Horizontally (brick)			

S SURFACE DAMAGE	5-31		
SRV Reinforcement	5-31		
Visible			
SRV - M - Mechanical			
SRV - C - Chemical Attack			
SRV - Z - Not Evident			

K BUCKLING	5-45		
KW Wall	5-45		
KD Dimpling	5-45		
KI Inverse Curvature	5-45		

X COLLAPSE	5-23		
XP Pipe Collapse	5-23		
XB Brick Collapse	5-23		

S SURFACE DAMAGE	5-31		
SRP Reinforcement	5-31		
Projecting			
SRP - M - Mechanical			
SRP - C - Chemical Attack			
SRP - Z - Not Evident			

LF LINING FAILURE	5-49		
LFD Detached Lining	5-49		
LFDE Defective End	5-49		
LFB Bilistered Lining	5-49		
LFCS Service Cut Shifted	5-49		
LFAC Abandoned	5-49		
Connection			

J JOINT	5-26		
JO Joint Offset	5-26		
(Displaced)			
JS Joint Separated	5-26		
(Open)			
JA Joint Angular	5-26		

S SURFACE DAMAGE	5-31		
SRC Reinforcement	5-31		
Corroded			
SRC - M - Mechanical			
SRC - C - Chemical Attack			
SRC - Z - Not Evident			

LF LINING FAILURE	5-49		
(continued)			
LFUC Overcut Service	5-49		
LFUC Undercut Service	5-49		
LFBK Buckled Lining	5-49		
LFW Wrinkled Lining	5-49		
LFAS Annular Space	5-49		

LF LINING FAILURE	5-50		
LFBU Bulges	5-50		
LFDC Discoloration	5-50		
LFDL Delamination	5-50		
LFRS Resin Slug	5-50		
LFPH Pinholes	5-50		
LFZ Other	5-50		

WF WELD FAILURE	5-67		
WFL Longitudinal	5-67		
WFC Circumferential	5-67		
WFM Multiple	5-67		
WFS Spiral	5-67		
WFZ Unidentified	5-67		

RP POINT REPAIR	5-71		
RPR Pipe Replaced	5-69		
RPR - D -Defective	5-69		
RPP Patch Repair	5-69		
RPP - D -Defective	5-69		

RP POINT REPAIR	5-71		
RPL Localized Pipeliner	5-69		
RPL - D -Defective	5-69		
RPZ Other	5-69		
RPZ - D -Defective	5-69		

BRICKWORK	5-77		
MM Missing Mortar	5-75		
S -Small	5-75		
M -Medium	5-75		
L -Large	5-75		

DB Displaced	5-75		
MB Missing	5-75		
DI Dropped Invert	5-75		

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Section 6—Operational and Maintenance (Module 6B)

D DEPOSITS 6-1	D DEPOSITS 6-1	R ROOTS 6-7	R ROOTS 6-7
DA Attached 6-1	DS Settled 6-1	RT Tap 6-7	RM Medium 6-7
DAE -Encrustation 6-2	DSF -Fine 6-2	RTB -Barrel 6-7	RMB -Barrel 6-7
DAGS -Grease 6-2	DSGV -Gravel 6-2	RTL -Lateral 6-7	RBL -Lateral 6-7
DAR -Ragging 6-2	DSC -Hard/Compacted 6-2	RTC -Connection 6-8	RBC -Connection 6-8
DAZ -Other 6-2	DSZ -Other 6-2		

I INFILTRATION 6-13	OB OBSTACLES/ OBSTRUCTIONS 6-19	V VERMIN 6-31	G GROUT TEST & SEAL 6-33
IS Stain 6-13	OBJ Object wedged in joint 6-19	VR Rat 6-31	GTU Grout Test Unable 6-33
IW Weeper 6-13	OBC Object through connection/junction 6-19	VC Cockroach 6-31	GTU - J - Joint 6-33
ID Dripper 6-13	OBP External Pipe Cable 6-19	VZ Other 6-31	GTU - L - Lateral 6-33
IR Runner 6-13			GRT Grout Test Location 6-33
IG Gusher 6-13			

Section 7—Construction Features Coding (Module 6C)

T TAP 7-1	T TAP 7-1	T TAP 7-1	IS INTRUDING SEALING MATERIAL 7-9
TF Factory Made 7-1	TS Saddle 7-2	TR Rehabilitated 7-2	ISGT Grout 7-9
TFI -Intruding 7-2	TSI -Intruding 7-2	TRI -Intruding 7-2	ISZ Other 7-9
TFA -Active 7-2	TSA -Active 7-2	TRA -Active 7-2	
TFC -Capped 7-2	TSC -Capped 7-2	TRC -Capped 7-2	
TFB -Abandoned 7-2	TSB -Abandoned 7-2	TRB -Abandoned 7-2	
TFD -Defective 7-2	TSD -Defective 7-2	TRD -Defective 7-2	
L LINE (of sewer) 7-11	A ACCESS POINT 7-13	A ACCESS POINT 7-13	A ACCESS POINT 7-13
LL Left 7-11	AMH Manhole 7-13	AOA Other Special Chamber 7-13	ACB Catch Basin 7-14
LLU Left Up 7-11	AWA Wastewater Access 7-13	AM Meter 7-13	AEP End of Pipe 7-14
LLD Left Down 7-11	ADP Discharge Point 7-13	AWW Wet Well 7-14	
LR Right 7-11	ATC Tee Connection 7-13	AJB Junction Box 7-14	

Section 8—Miscellaneous Features Coding (Module 6D)

M MISCELLANEOUS FEATURES 8-1	M MISCELLANEOUS FEATURES 8-1	M MISCELLANEOUS FEATURES 8-1
MCU Camera Underwater 8-1	MLC Lining Change 8-2	MWM Water Mark 8-2
MGO General Observation 8-1	MMC Material Change 8-2	MY Dye Test 8-2
MGP General Photograph 8-1	MSA Survey Abandoned 8-2	MYV -Dye Visible 8-3
MSC Shape/Size Change (Sewer Dimension/Vertical/Horizontal) 8-1	MWL Water Level 8-2	MYN -Not Visible 8-3
MJL Joint Length Change 8-1	MWLS -Sag 8-2	