Table: FLAWS

Properties

Attributes: Linked Connect: ;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
Block ID	Text	15
Description:	The unique number of the specimen	
IDENT	Text	9
Description:	The individual flaw number	
Block	Text	50
Description:	The unique number of the specimen without the R	
TYPE	Text	10
Description:	SELECT distinct Block Types FROM Blocks;	
Xi	Double	8
Description:	Flaw center surface location of the flaw projected on the inner clad surface (ID) perpendicular to the vessel shell axis	
Xo	Double	8
Description:	Flaw center surface location of the flaw projected on the outside surface (OD) perpendicular to the vessel shell axis	
Y	Double	8
Description:	Flaw Center surface location on the Inner and Outer surface parallel to the vessel shell axis	
FCDI	Double	8
Description:	Flaw Center distance to clad/base metal interface	
FCDO	Double	8
Description:	Flaw Center distance to the outside surface	
LDI	Double	8
Description:	Ligament to the nearest point of the flaw to the clad base metal interface	
LDO	Double	8
Description:	Ligament to the nearest point of the flaw to the outside metal surface	
SK	Double	8
Description:	Skew - the angle of the flaw when rotated about its center viewed from the inside surface. 0 is perpendicular, 90 is parallel	
TILT	Double	8
Description:	The angle between the flaw plane and the inside surface	
LENGTH	Double	8
Description:	The confirmed length dimension of the flaw	
TWALL	Double	8
Description:	The confirmed through-wall dimension of the flaw (depth)	
WIDTH	Double	8
Description::	Unconditional Flaw Height	

APP VIII		Text	3
	Description:	The thru-wall depth range supplied for supp4 and supp6: A;0.075-0.200;B;0.201-0.350;C;0.351-0.550;D;0.551-0.750;E;0.751-2.00	
SUPP		Integer	2
TLOC		Integer	2
	Description:	1;Inner 10%;2;11-30%;3;31-60%;4;61-89%;5;Outer 10%	
ISA-ID-DET **(NOT USED)**		Text	3
	Description:	DIY;DIN;DIS;DI?	
ISA-ID-SIZE **(NOT USED)**		Text	3
	Description:	SIY;SIN;SIS;SI?	
ISA-OD-DET **(NOT USED)**		Text	3
	Description:	DOY;DON;DOS;DO?	
ISA-OD-SIZE **(NOT USED)**		Text	3
	Description:	SOY;SON;SOS;SO?	
LA-ID-DET **(NOT USED)**		Yes/No	1
LA-ID-LEN **(NOT USED)**		Yes/No	1
LA-ID-TW **(NOT USED)**		Yes/No	1
LA-OD-DET **(NOT USED)**		Yes/No	1
LA-OD-LEN **(NOT USED)**		Yes/No	1
LA-OD-TW **(NOT USED)**		Yes/No	1
IWB		Text	50
Z1		Text	50
	Loaded with truth Z1 in later tests		
Z2		Text	50
	Loaded with truth Z2 in later tests		

Table: Grading Flaws

Properties

Attributes: Linked Connect: ;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
id	Text	50
Description:	Unique ID code from grading sheet table	
S	Integer	2
Description:	Flaw is characteristic of supp 4;5;6;7	
ident	Text	50
Description:	Unique identifier for the flaw with the vessel type "Flaws" table or the nozzle 'INR Flaws' table	
PatchID	Text	50
Description:	Patch assigned	
CandAlias	Text	50
Description:	Candidate Work Sheet Flaw Identification	
alias	Text	50
dgu	Yes/No	1
Description:	Use For Detection Y/N	
dgh	Yes/No	1
Description:	Candidate Detection Hit Y/N	
twe	Yes/No	1
Description:	Use For Depth Y/N	
len	Yes/No	1
Description:	Use For Length Y/N	
Z1	Text	50
Description:	Distance from Surface to Flaw Start	
Z2	Text	50
Description:	Distance from Surface to Flaw Stop	
CandTWE_CP	Double	8
Description:	Candidate Center Point of Flaw	
twe_val	Double	8
Description:	Candidate Depth Measurement	
len_val	Double	8
Description:	Candidate Length Measurement	
twall	Double	8
Description:	Depth Truth	
length	Double	8
Description:	Length Truth	
TLOC	Double	8
Description:	5 zones through thickness of block	
APPVIII	Text	50

IWB		Text	50
ZONE		Text	1
	RowSource:	Nozzle Inner Radius Zone A or B	
DEG		Double	8
CAND_ZONE		Text	1
CAND_DEG		Double	8
MetalPath		Double	8
ScanDir		Text	3
	Description:	Nozzle - Clockwise or Counter Clockwise Scan Direction - CCW;CW	
ZeroAt		Text	50
	Description:	Nozzle - Scan Zone Zero is located at 0 or 180 Azimuth	
CandFlawStart		Double	8
	Description:	S4 and S6 Cand Length Start	
CandFlawStop		Double	8
	Description:	S4 and S6 Cand Length Stop	
CandY1		Double	8
	Description:	Start measurement in axis perpendicular to CandFlawStart	
CandY2		Double	8
	Description:	Stop measurement in axis perpendicular to CandFlawStop	
YScaleMax		Single	4
	Description:	Maximum patch y location	
YScaleMin		Single	4
	Description:	Minimum patch y location	
CandZ1		Double	8
CandZ2		Double	8
SP		Long Integer	4
	Description:	filled on 10/15/2006 from Scan Patch master	

Table: INR Flaws

Properties

Attributes: Linked Connect: ;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
SampleID	Text	50
Nozzle	Integer	2
Zone	Text	1
Ident	Text	50
Type	Text	12
Deg	Double	8
Skew	Integer	2
Tilt	Integer	2
Length	Double	8
TWE	Double	8
App VIII	Text	1
S	Integer	2
RowSource:	5;7	
di	Double	8
do	Double	8

Table: INR Samples

Properties

Attributes: Linked Connect: ;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
SampleID	Text	50
Nozzle	Integer	2
Nozzle Shell Ratio	Text	50
Type of Sample	Text	50
Application Drawing Number	Text	50
ro1	Double	8
Description:	Nominal radius of outer pipe	
rp	Double	8
Description:	Outer pipe blend radius	
Io1	Double	8
Description:	Length of cylindrical outer pipe	
ro2	Double	8
Description:	Nominal radius of Nozzle Boss	
Oo1	Double	8
Description:	Taper angle of outer pipe (degrees)	
Io2	Double	8
Description:	Axial length of taper on outer pipe	
rb	Double	8
Description:	Outer boss blend radius	
Oo2	Double	8
Description:	Taper angle at beginning of outer blend	
rbo	Double	8
Description:	Outer blend radius	
ri	Double	8
Description:	Normal radius of inner pipe	
Li1	Double	8
Description:	Length of inner pipe	
Oil	Double	8
Description:	Taper angle of beginning of inner pipe	
rbi	Double	8
Description:	Inner blend radius	
Zpv	Double	8
Description:	Distance from end of bore to center of pressure vessel	
rpvo	Double	8
Description:	Outer radius of pressure vessel	
rpvi	Double	8
Description:	Inner radius of pressure vessel	

Revision Number	Text	50
Revision Date	Date/Time	8
Reviewed by	Text	50
Review Date	Date/Time	8
Approved by	Text	50
Approved Date	Date/Time	8
D	Double	8

Description: Nominal nozzle inside diameter/Nozzle Vessel Weld Diameter (EPRI - dimension used for D/10 and inches per degree

Table: INR TESTSETS

Properties

Attributes: Linked Connect: ;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
INR_TESTSET_Name	Text	50
SampleID	Text	50
Nozzle	Integer	2
DEGStart	Single	4
DEGEnd	Single	4
Ident	Text	50
Type	Text	12
Deg	Double	8
TWE	Double	8
Length	Double	8
App VIII	Text	1
UseDET	Yes/No	1
UseTWE	Yes/No	1
UseLen	Yes/No	1
ZONE	Text	1
RowSource:	Nozzle Inner Radius Zone A or B	
S	Supplement Integer	2

Table: Qualification Attempts

Properties

Attributes: Linked Connect: ;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name		Type	Size
ID		Text	50
PID		Long Integer	4
	Description:	Procedure ID from query Procedure Categories	
Procedure		Long Integer	4
ProcFldChanges		Text	50
CID	Candidate ID	Long Integer	4
DescName		Text	255
gsDate		Date/Time	8
	Description:	approx. exam review date	
SuppType		Text	50
	RowSource:	4;Supp. 4;45;Suppl 4 & 5;5;Supp. 5;6;Supp. 6;7;Supp. 7;74;Supp. 4 & 7;76;Supp. 6 & 7	
supp		Integer	2
	RowSource:	4;4;45;4/5;5;5;6;6;7;7;74;7/4;76;7/6	
Option		Double	8
method		Double	8
VesselSurface		Text	50
TestApp		Text	50
D (Detection test Y/N)		Text	50
DResults		Text	50
L (Length test Y/N)		Text	50
LResults		Text	50
T (TWE test Y/N)		Text	50
TResults		Text	50
TESTSET		Text	50
Session		Text	50
Notes		Memo	-
FalseCalls		Double	8
Area		Double	8
Sequence (First, second, >2 attempt)		Text	50
DemoType		Text	50

Qualified	Text	50
MissedDet	Double	8
PersTest	Yes/No	1
TestsetOriginal	Text	50
PTCN	Text	50
Description:	Personnel Test Candidate Number	
SES (Session Number)	Long Integer	4
PROC_Test	Yes/No	1
TS_ID (Test set ID)	Long Integer	4

Table: SAMPLES

Properties

Attributes: Linked Connect: ;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
block	Text	10
Description:	The unique number of the specimen	
type	Text	50
Description:	Description of the specimen	
Ro	Double	8
Description:	Outside radius of the specimen	
Ri	Double	8
Description:	Inside radius of the specimen to the clad/base metal interface	
Rcl	Double	8
Description:	Inside radius of the specimen to the exposed cladding surface	
BMthick	Double	8
Description:	THICKNESS INCLUDING CLADDING:	
thick	Double	8
Description:	BASE MATERIAL THICKNESS	
Max App VIII thick	Double	8
Description:	MAX APPENDIX VIII THICKNESS	
App Draw Number	Text	50
Description:	APPLICATION DRAWING NUMBER	
xmin	Double	8
Description:	ID X MINIMUM	
xmax	Double	8
Description:	ID X MAXIMUM	
odxmin	Double	8
Description:	OD X MINIMUM	
odxmax	Double	8
Description:	OD X MAXIMUM	
ymin	Double	8
Description:	Y minimum	
ymax	Double	8
Description:	Y maximum	
rev	Text	50
Description:	revision number	
degree_inch	Double	8
Description:	INCHES/DEGREE of AZIMUTH at ID	
degree_inch_od	Double	8
Description:	INCHES/DEGREE of AZIMUTH at OD	

Table: SCAN PATCHES

Properties

Attributes:	Linked	Connect:	;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
ScanPatch	Long Integer	4
BlockID	Text	50
ScanStart	Double	8
ScanEnd	Double	8
IDOD	Text	2

Table: TEST SET SUMMARY

Properties

Attributes: Linked Connect: ;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
TESTSET	Text	50
TS_ID (Test set ID)	Long Integer	4
Description:	assigned 10/15/2006	
DATE CREATED	Date/Time	8
PREPARED FOR	Text	50
RowSource:	SINGLE CANDIDATE;GROUP OF CANDIDATES;PROCEDURE QUAL	
PROCEDURE	Text	50
PROC MAX THICK	Text	50
SURFACE	Text	2
SIDED	Text	50
RowSource:	SINGLE SIDED;DUAL SIDED	
AREASQFT	Single	4
Angle Used	Long Integer	4
TESTS_SUPP	Text	50
RowSource:	4;6	
LookUpMaxThick	Text	50
DetTest	Yes/No	1
AssignedDET	Yes/No	1
SizTest	Yes/No	1
CompanyUsed	Text	50
AssignedCIDzero	Yes/No	1
DesignDate	Date/Time	8

Table: TEST SETS

Properties

Attributes:	Linked	Connect:	;DATABASE=R:\RPV\RPV_Data.mdb

Columns

Name	Type	Size
TESTSET	Text	50
Description:	THE NAME ASSIGNED TO THIS GROUP OF FLAWS	
Block	Text	15
IDENT	Text	9
Description:	The individual flaw number	
gu	Yes/No	1
Description:	use flaw as gradiing unit	
PatchID	Text	50
Description:	ID from TEST SCAN ZONE DATA FOR BLOCKS	
SP	Long Integer	4
Description:	SCAN PATCHES ScanPatch	