Pipeline Open Data Standard

Final Release 3.2

Physical Data Model
Model is subject to change

Physical Data Model
Model: PODS
Package:
Diagram: PODS
Author: PODS Association, Inc. Date : 3/24/2004
Version : 3.2 FINAL

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Location

GPS_Point

GPS_Point_ID	NUMBER(16)	<pk>	not null
Coordinate_ID	NUMBER(16)	<fk3>	null
Ref_Event_ID	NUMBER(16)	<fk1>	null
Type_CL	VARCHAR(16)	<fk5>	null
Description	VARCHAR(250)		null
GPS_Parameters_ID	NUMBER(16)	<fk2>	null
Standard_Dev	FLOAT		null
PPDP	FLOAT		null
HDOP	FLOAT		null
VDOP	FLOAT		null
TDOP	FLOAT		null
NRMS	FLOAT		null
VPE	FLOAT		null
HPE	FLOAT		null
SATS	FLOAT		null
DAGE	FLOAT		null
DSIG	FLOAT		null
Source_GCL	VARCHAR(16)	<fk4>	null
Comments	VARCHAR(255)		null

GPS_Parameters

GPS_Parameters_ID	NUMBER(16)	<pk>	not null
Datafile	VARCHAR(255)		null
Description	VARCHAR(254)		null
Date_Collected	DATE		null
Correction_Method_CL	VARCHAR(16)	<fk3>	null
Receiver_Type_CL	VARCHAR(16)	<fk2>	null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Coordinate

Coordinate_ID	NUMBER(16)	<pk>	not null
Coordinate_Source_ID	NUMBER(16)	<fk1>	null
Type_CL	VARCHAR(16)	<fk3>	null
Location_ID	NUMBER(16)	<fk2>	not null
X_Coord	FLOAT		not null
Y_Coord	FLOAT		not null
Z_Coord	FLOAT		null
Horiz_Indicator_LF	CHAR(1)		null
Vert_Indicator_LF	CHAR(1)		null
Current_Indicator_LF	CHAR(1)		null
Previous_Coordinate_ID	NUMBER(16)	<fk4>	null
Effective_From_Date	DATE		null
Effective_To_Date	DATE		null
Original_Coordinate_ID	NUMBER(16)		null

Coordinate_Sys

Coordinate_Sys_ID	VARCHAR(40)	<pk>	not null
Coordinate_Sys_S	VARCHAR(19)		null
Description	VARCHAR(254)		null
Entity_Type_Name	VARCHAR(40)		not null
Geodetic_Datum_CL	VARCHAR(16)	<fk3>	null
Prime_Meridian_CL	VARCHAR(16)	<fk4>	null
R_Axis_Ornt_Kind	VARCHAR(40)		null
R_Cord_Sys_Cat_Name	VARCHAR(40)		not null
R_Display_Ornt	VARCHAR(40)		null
R_Map_Proj_Kind	VARCHAR(40)		null
R_Naming_System_Kind	VARCHAR(40)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Vertical_Reference	VARCHAR(16)	<fk5>	null
Status_CL	VARCHAR(16)	<fk2>	null
Vertex_C	VARCHAR(40)		null
Vertex_S	VARCHAR(19)		null
Vertex_Y	VARCHAR(16)		null

Centerline_Geo_Cross_Ref

Centerline_Geo_X_Ref_ID	NUMBER(16)	<pk>	not null
Coordinate_ID	NUMBER(16)	<fk1>	not null
Centerline_Geo_ID	NUMBER(16)	<fk2>	not null
Effective_From_Date	DATE		null
Effective_To_Date	DATE		null
Previous_Cl_Geo_X_Ref_ID	NUMBER(16)	<fk3>	null
Current_Indicator_LF	CHAR(1)		null
Original_Centerline_Geo_ID	NUMBER(16)		null

Centerline_Geometry

Centerline_Geo_ID	NUMBER(16)	<pk>	not null
Source_Name	VARCHAR(30)		not null
Purpose	VARCHAR(10)		null
Create_Date	DATE		not null
Comments	VARCHAR(255)		null

Monument

Monument_ID	NUMBER(16)	<pk>	not null
Coordinate_ID	NUMBER(16)	<fk2>	null
Ref_Event_ID	NUMBER(16)	<fk1>	null
Type_CL	VARCHAR(16)	<fk3>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk4>	null
Comments	VARCHAR(255)		null

Profile

Event_ID	NUMBER(16)	<pk,fk1>	not null
Type_CL	VARCHAR(16)	<fk4>	not null
Elevation	NUMBER(8,3)		not null
Elevation_UOM	VARCHAR(16)	<fk3>	null
Description	VARCHAR(50)		null
Source_GCL	VARCHAR(16)	<fk2>	null
Active_Indicator_LF	CHAR(1)		null

Stationed Centerline

Line

Line_ID	NUMBER(16)	<pk>	not null
Designator	VARCHAR(10)		not null
Description	VARCHAR(254)		null
Type_CL	VARCHAR(16)	<fk2>	not null
Product_Type_SCL	VARCHAR(16)	<fk3>	null
Product_Subtype_SCL	VARCHAR(16)	<fk3>	null
Operating_Status_CL	VARCHAR(16)	<fk1>	null
System_Type_CL	VARCHAR(16)	<fk4>	not null
Interstate_LF	CHAR(1)		null

Line_Interest

Line_ID	NUMBER(16)	<pk,fk1>	not null
Company_GCL	VARCHAR(16)	<pk,fk3>	not null
Type_CL	VARCHAR(16)	<fk2>	not null
Percent_Interest	NUMBER(7,4)		not null

Transform

Transform_ID	NUMBER(16)	<pk>	not null
Description	VARCHAR(254)		null

Measure_Transform

Meas_Trans_ID	NUMBER(16)	<pk>	not null
Series_ID	NUMBER(16)	<fk2>	not null
Transform_Begin_Station	NUMBER(16)		null
Transform_End_Station	NUMBER(16)		null
Alt_Measure_Prefix	VARCHAR(16)		null
Scale_Factor	NUMBER(16)		null
Offset	NUMBER(16)		null
Transform_ID	NUMBER(16)	<fk1>	null

Location

Location_ID	NUMBER(16)	<pk>	not null

Route

Route_ID	NUMBER(16)	<pk>	not null
Line_ID	NUMBER(16)	<fk2>	not null
Event_ID	NUMBER(16)		null
Description	VARCHAR(254)		null
Sequence	NUMBER(3)		null
Type_CL	VARCHAR(16)	<fk3>	null
Operating_Status_CL	VARCHAR(16)	<fk1>	null

Series

Series_ID	NUMBER(16)	<pk>	not null
Description	VARCHAR(254)		null
Line_ID	NUMBER(16)		not null
Series_Number	NUMBER(16)		not null
Station_Begin	NUMBER(10,2)		not null
Station_End	NUMBER(10,2)		not null
Ascending	INTEGER		null
Route_ID	NUMBER(16)	<fk1>	null
Previous_Series_ID	NUMBER(16)	<fk2>	null
Create_Date	DATE		null
PODS_User	VARCHAR(20)		null
Current_Indicator_LF	CHAR(1)		null
Effective_From_Date	DATE		not null
Effective_To_Date	DATE		null
Original_Series_ID	NUMBER(16)		null

Station_Point

Station_ID	NUMBER(16)	<pk>	not null
Line_ID	NUMBER(16)	<fk4>	null
Series	NUMBER(16)		not null
Station	NUMBER(10,2)		not null
Series_ID	NUMBER(16)	<fk1>	not null
Location_ID	NUMBER(16)	<fk2>	not null
Route_ID	NUMBER(16)	<fk3>	not null
Measure	NUMBER(12,2)		not null

Event_Range

Event_ID	NUMBER(16)	<pk>	not null
Feature_ID	VARCHAR(4)	<fk3>	not null
Previous_Event_ID	NUMBER(16)	<fk2>	null
Station_ID_Begin	NUMBER(16)	<fk3>	not null
Station_ID_End	NUMBER(16)	<fk4>	not null
Length	NUMBER(16)		null
Event_Length	NUMBER(16)		null
PODS_User	VARCHAR(20)		null
Create_Date	DATE		null
Original_Event_ID	NUMBER(16)		null
Effective_From_Date	DATE		not null
Effective_To_Date	DATE		null
Current_Indicator_LF	CHAR(1)		null

Event_Comment

Event_Comment_ID	NUMBER(16)	<pk>	not null
Event_ID	NUMBER(16)	<fk1>	null
Comment_Date	DATE		null
Comment_By	VARCHAR(50)		null
Source_GCL	VARCHAR(16)	<fk2>	null

Event_Cross_Ref

Event_ID	NUMBER(16)	<pk,fk2>	not null
Event_Report_ID	NUMBER(16)	<pk,fk1>	not null
Event_Cross_Ref_Status	VARCHAR(16)	<fk3>	null

Event_Report

Event_Report_ID	NUMBER(16)	<pk>	not null
Name	VARCHAR(20)		null
Report_Date	DATE		null
Type_CL	VARCHAR(16)	<fk2>	null
Remark	VARCHAR(240)		null
Umbrella_Report_ID	NUMBER(16)	<fk1>	null
Status_CL	VARCHAR(16)	<fk3>	null

External_Document

External_Document_ID	NUMBER(16)	<pk>	not null
Filepath	VARCHAR(255)		null
Filename	VARCHAR(16)		null
Event_Report_ID	NUMBER(16)	<fk>	null

Hierarchy

Hierarchy_ID	NUMBER(16)	<pk>	not null
Description	VARCHAR(254)		null

Connection

Connection_ID	NUMBER(16)	<pk>	not null
Line_ID	NUMBER(16)	<fk1>	null
Parent_Hierarchy_ID	NUMBER(16)	<fk2>	null
Child_Hierarchy_ID	NUMBER(16)	<fk3>	null

Network

Network_ID	NUMBER(16)	<pk>	not null
Description	VARCHAR(254)		null

Network_Junction

Junction_ID	NUMBER(16)	<pk>	not null
Junction_Desc	VARCHAR(255)		null
Network_ID	NUMBER(16)	<fk>	not null

Network_Segment

Event_ID	NUMBER(16)	<pk,fk1>	not null
From_Junction_ID	NUMBER(16)	<fk2>	null
To_Junction_ID	NUMBER(16)	<fk3>	null

Event_Group_Cross_Ref

Event_ID	NUMBER(16)	<pk,fk2>	not null
Event_Group_ID	NUMBER(16)	<pk,fk1>	not null

Event_Group

Event_Group_ID	NUMBER(16)	<pk>	not null
Group_Name	VARCHAR(254)		null
Parent_Event_Group_ID	NUMBER(16)	<fk>	null

Feature_Table

Feature_ID	VARCHAR(24)	<pk>	not null
Type_CL	VARCHAR(16)	<fk1>	not null
Category_CL	VARCHAR(16)	<fk2>	not null
Description	VARCHAR(254)		null
Sort_Order	NUMBER(4)		null
Table_Name	VARCHAR(30)		not null
History_Table_Name	VARCHAR(30)		null
Is_Spatial	VARCHAR(16)	<fk3>	null
Is_Sub_Type	VARCHAR(16)	<fk4>	null
History_Type_GCL	VARCHAR(16)	<fk5>	null
Status_CL	VARCHAR(16)	<fk6>	null

Regulatory Compliance

HCA_Boundary

Event_ID	NUMBER(16)	<pk,fk1>	not null
Type_CL	VARCHAR(16)	<fk4>	not null
Determination_Date	DATE		null
Geographic_Entity_ID	NUMBER(16)	<fk2>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

DOT_Class

Event_ID	NUMBER(16)	<pk,fk1>	not null
Rating_CL	VARCHAR(16)	<fk3>	null
Design_CL	VARCHAR(16)	<fk5>	null
Method_CL	VARCHAR(16)	<fk4>	null
Determination_Date	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Activity_Zone

Event_ID	NUMBER(16)	<pk,fk1>	not null
Zone_CL	VARCHAR(16)	<fk2>	not null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

MAOP_Rating

Event_ID	NUMBER(16)	<pk,fk1>	not null
MAOP_Rating	NUMBER(5)		null
MOP	NUMBER(5)		null
Determination_Method_CL	VARCHAR(16)	<fk2>	null
Determination_Date	DATE		null
Verified_By	VARCHAR(32)		null
Established_By	VARCHAR(255)		null
Limiting_Factors	VARCHAR(255)		null
Description	VARCHAR(50)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

Test_Pressure

Event_ID	NUMBER(16)	<pk,fk1>	not null
Test_Type_CL	VARCHAR(16)	<fk2>	not null
Test_Date	DATE		not null
Test_Medium_CL	VARCHAR(16)	<fk3>	not null
Test_Pressure	NUMBER(5)		not null
Duration_Hours	NUMBER(3)		null
Test_Station	NUMBER(10,1)		null
Test_Station_Elev	NUMBER(5)		null
Max_Elevation	NUMBER(5)		null
Min_Elevation	NUMBER(5)		null
Test_Distance	NUMBER(5,1)		null
Min_Pressure	NUMBER(5)		null
Max_Pressure	NUMBER(5)		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk4>	null
Comments	VARCHAR(255)		null

Grandfather_Pressure

Event_ID	NUMBER(16)	<pk,fk1>	not null
Pressure_Rating	NUMBER(5)		not null
High_Pressure_Date	DATE		null
Determination_Date	DATE		null
Verified_By	VARCHAR(32)		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk2>	null
Comments	VARCHAR(255)		null

Leak_History

Leak_ID	NUMBER(16)	<pk>	not null
Event_ID	NUMBER(16)	<fk1>	not null
Leak_Date	DATE		null
Telephonic_Report_Date	DATE		null
NRC_Report_Number	NUMBER(9)		null
Environmental_Remediation_Cost	NUMBER(8,2)		null
City	VARCHAR(50)		null
State_CL	CHAR(2)	<fk5>	null
Zip	NUMBER(9)		null
Leak_Report_Date	DATE		null
Product_Type_SCL	VARCHAR(16)	<fk3>	null
Product_Subtype_SCL	VARCHAR(16)	<fk3>	null
Volume_Lost	NUMBER(16)		null
Primary_Cause_CL	VARCHAR(16)	<fk2>	not null
Lost_Product_Cost	NUMBER(8,2)		null
Business_Interruption_Cost	NUMBER(8,2)		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk4>	null
Comments	VARCHAR(255)		null

Leak_History_Event

Leak_ID	NUMBER(16)	<pk,fk1>	not null
Event_ID	NUMBER(16)	<pk,fk2>	not null

Depth_of_Cover

Event_ID	NUMBER(16)	<pk,fk1>	not null
Measurement	NUMBER(4,4)		not null
Measurement_Method_CL	VARCHAR(16)	<fk2>	null
Determination_Date	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

Risk Assessment

Facility_Ranking

Event_ID	NUMBER(16)	<pk,fk1>	not null
Purpose_CL	VARCHAR(16)	<fk3>	null
Ranking	NUMBER(5)		not null
Determination_Method_GCL	VARCHAR(16)	<fk4>	null
Determination_Date	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk2>	null
Comments	VARCHAR(255)		null

Facility_Rating

Event_ID	NUMBER(16)	<pk,fk1>	not null
Purpose_CL	VARCHAR(16)	<fk2>	null
Rating	NUMBER(5)		not null
Determination_Method_GCL	VARCHAR(16)	<fk4>	null
Determination_Date	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

Facility_Rating_Variance

Event_ID	NUMBER(16)	<pk,fk1>	not null
Operated_Pressure	NUMBER(5)		not null
Determination_Method_CL	VARCHAR(16)	<fk2>	null
Determination_Date	DATE		null
Verified_By	VARCHAR(32)		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

Operating Measures

Odorant_Measurement

Event_ID	NUMBER(16)	<pk,fk1>	not null
Type_CL	VARCHAR(16)	<fk2>	null
Main_Comment_Station_Name	VARCHAR(32)		null
Measurement	NUMBER(4,4)		null
Determination_Date	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

Pressure_Measurement

Event_ID	NUMBER(16)	<pk,fk1>	not null
Pressure	NUMBER(5)		null
Method_CL	VARCHAR(16)	<fk2>	null
Measurement_Station_Name	VARCHAR(32)		null
Determination_Date	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Temperature_Measurement

Event_ID	NUMBER(16)	<pk,fk1>	not null
Maximum_Temperature	NUMBER(4)		not null
Average_Temperature	NUMBER(4)		null
Measurement_Method_CL	VARCHAR(16)	<fk2>	null
Determination_Date	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

Pig_Signal

Event_ID	NUMBER(16)	<pk,fk1>	not null
Launch_Or_Receive_CL	VARCHAR(16)	<fk2>	null
Type_CL	VARCHAR(16)	<fk3>	null
Remote_Ind	CHAR(1)		null
Trap_Ld	CHAR(1)		null
Date_Installed	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Flow_Measurement

Event_ID	NUMBER(16)	<pk,fk1>	not null
Flow_Measurement	NUMBER(9)		not null
Unit_Of_Measure_GCL	VARCHAR(16)	<fk3>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk2>	null
Comments	VARCHAR(255)		null

Customer_Interrupt

Event_ID	NUMBER(16)	<pk,fk1>	not null
Status_CL	VARCHAR(16)	<fk2>	not null
Determination_Date	DATE		null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Unit_Of_Measure_GCL

Code	VARCHAR(16)	<pk>	not null
Description	VARCHAR(254)		null
Active_Indicator_LF	CHAR(1)		null
Source_GCL	VARCHAR(16)	<fk2>	null
Comments	VARCHAR(255)		null
Symbol	VARCHAR(16)		null
Category_Type_CL	VARCHAR(16)	<fk1>	null

Work History

Work_Order

Work_Order_ID	NUMBER(20)	<pk>	not null
Work_Order_Number	VARCHAR(20)		not null
Company_GCL	VARCHAR(16)	<fk3>	not null
Type_CL	VARCHAR(16)	<fk2>	not null
Description	VARCHAR(254)		null
AFE	VARCHAR(16)		null
Starting_Date	DATE		null
Ending_Date	DATE		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Maintenance

Maint_ID	NUMBER(16)	<pk>	not null
Event_ID	NUMBER(16)	<fk2>	null
Type_CL	VARCHAR(16)	<fk4>	not null
Maint_Date	DATE		null
Maint_Cost	NUMBER(8,2)		null
Maintenance_Company_Code	VARCHAR(20)		null
Work_Order_ID	NUMBER(16)	<fk1>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

Maintenance_Event

Maint_ID	NUMBER(16)	<pk,fk1>	not null
Event_ID	NUMBER(16)	<pk,fk2>	not null

Physical Inspections

Inspection_Interval

Event_ID	NUMBER(16)	<pk,fk1>	not null
Interval_CL	VARCHAR(16)	<fk2>	not null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null
Description	VARCHAR(250)		null

Physical_Inspection

Event_ID	NUMBER(16)	<pk,fk1>	not null
Class_CL	VARCHAR(16)	<fk2>	null
Inspection_Start_Date	DATE		null
Inspection_End_Date	DATE		null
Performed_By	VARCHAR(50)		null
Inspection_Type_CL	VARCHAR(16)	<fk3>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk4>	null
Comments	VARCHAR(255)		null

Pt_Atdiator_Construction

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Nearest_Facility_CL	VARCHAR(16)	<fk2>	null
Distance_To_Facility	NUMBER(4)		null
Direction_To_Facility_GCL	VARCHAR(16)	<fk5>	null
Nearest_Type_GCL	VARCHAR(16)	<fk3>	null
Person_Notified	VARCHAR(32)		null
Description_of_Construction	VARCHAR(254)		null
Estimated_Occupancy	NUMBER(4)		null
Pt_Event_ID	NUMBER(16)	<fk4>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Pt_Corrosion

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Ref_Girth_Weld	NUMBER(16)		null
Dist_From_Girth_Weld	NUMBER(16,3)		null
Feature_Number	VARCHAR(25)		null
Orientation	NUMBER(3)		null
Site_ID	NUMBER(16)		null
Defect_Type_CL	VARCHAR(16)	<fk3>	null
Axial_Length	NUMBER(7,3)		null
Circum_Length	NUMBER(7,3)		null
Max_Width	NUMBER(7,3)		null
Max_Depth	NUMBER(7,3)		null
Long_Seam_Tent_Lef	NUMBER(7,3)		null
Long_Seam_Tent_Right	NUMBER(7,3)		null
Deposit_Description	VARCHAR(254)		null
Distbond_Dry_LF	CHAR(1)		null
Distbond_Dry_Lf	CHAR(1)		null
Long_Seam_Tent_Lef	NUMBER(7,3)		null
Long_Seam_Tent_Right	NUMBER(7,3)		null
Thickness_at_0	NUMBER(5,3)		null
Thickness_at_45	NUMBER(5,3)		null
Thickness_at_90	NUMBER(5,3)		null
Thickness_at_135	NUMBER(5,3)		null
Thickness_at_180	NUMBER(5,3)		null
Thickness_at_225	NUMBER(5,3)		null
Thickness_at_270	NUMBER(5,3)		null
Thickness_at_315	NUMBER(5,3)		null
Pt_Event_ID	NUMBER(16)	<fk5>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk6>	null
Comments	VARCHAR(255)		null

Pt_Excavation

Event_ID	NUMBER(16)	<pk,fk1>	not null
Excavation_Project_ID	NUMBER(16)		null
Inspection_Date	DATE		null
Site_Name	VARCHAR(50)		not null
Site_Description	VARCHAR(254)		null
Excavation_Date	DATE		not null
Excavation_Contractor	VARCHAR(40)		null
MPI_Contractor	VARCHAR(40)		null
MPI_Method_CL	VARCHAR(16)	<fk2>	null
Surface_Prep_Method_CL	VARCHAR(16)	<fk3>	null
Pipe_Excavated_Top_Lf	CHAR(1)		null
Pipe_Excavated_Left_Lf	CHAR(1)		null
Pipe_Excavated_Right_Lf	CHAR(1)		null
Pipe_Excavated_Bottom_Lf	CHAR(1)		null
Pt_Event_ID	NUMBER(16)	<fk4>	null
Response_CL	VARCHAR(16)	<fk5>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Pt_Relief_Valve

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Relief_Valve_Id	VARCHAR(20)		null
Performed_By	VARCHAR(32)		null
Controls_Tested_LF	CHAR(1)		null
Valve_Tested_LF	CHAR(1)		null
Valve_Repaired_LF	CHAR(1)		null
Valve_Replaced_LF	CHAR(1)		null
Set_Point_Pressure	NUMBER(5)		null
Initial_Pressure_Setting	NUMBER(5)		null
Final_Pressure_Setting	NUMBER(5)		null
Pt_Event_ID	NUMBER(16)	<fk4>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

Pt_Right_of_Way

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Acquis_Required_LF	CHAR(1)		null
Type_CL	NUMBER(16)	<fk3>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk2>	null
Comments	VARCHAR(255)		null

Pt_Cracking

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Orientation	NUMBER(3)		null
Type_CL	VARCHAR(16)	<fk2>	null
Corrosion_Present_LF	CHAR(1)		null
Axial_Length	NUMBER(7,3)		null
Circum_Length	NUMBER(7,3)		null
Max_Width	NUMBER(7,3)		null
Max_Depth	NUMBER(7,3)		null
Avg_Depth	NUMBER(7,3)		null
Measurement_Method_CL	VARCHAR(16)	<fk3>	null
Tip_to_Tip_Dist	NUMBER(7,3)		null
Side_to_Side_Separation	NUMBER(7,3)		null
Side_to_Side_to_WT_Ratio	NUMBER(7,3)		null
Linear_at_weld_toe_flag_LF	CHAR(1)		null
Significant_Crack_LF	CHAR(1)		null
Interlinking_LF	CHAR(1)		null
Failure_Pressure	NUMBER(5)		null
Failure_Algorithm_GCL	VARCHAR(16)	<fk4>	null
MF_Measurement_Method_CL	VARCHAR(16)	<fk5>	null
Pt_Event_ID	NUMBER(16)	<fk7>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Pt_Mechanical_Damage

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Mechanical_Defect_Type_GCL	VARCHAR(16)	<fk2>	null
Ref_Girth_Weld	NUMBER(16)		null
Axial_Length	NUMBER(7,3)		null
Circum_Length	NUMBER(7,3)		null
Width	NUMBER(7,3)		null
Peak_to_Peak_Depth	NUMBER(7,3)		null
Wave_Length	NUMBER(7,3)		null
Pt_Event_ID	NUMBER(16)	<fk3>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Pt_CP_Reading

Pt_CP_Reading_ID	NUMBER(16)	<pk>	not null
Event_ID	NUMBER(16)	<fk1>	not null
Reading	NUMBER(7,3)		null
Reading_UOM	VARCHAR(16)	<fk4>	null
Type_CL	VARCHAR(16)	<fk3>	null
Description	VARCHAR(50)		null
Source_GCL	VARCHAR(16)	<fk2>	null
Comments	VARCHAR(255)		null

Pt_Metal_Loss

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Orientation	NUMBER(3)		null
Type_CL	VARCHAR(16)	<fk3>	not null
Surface_GCL	VARCHAR(16)	<fk4>	not null
Axial_Length	NUMBER(7,3)		not null
Circum_Length	NUMBER(7,3)		not null
Max_Width	NUMBER(7,3)		null
Max_Depth	NUMBER(7,3)		null
Failure_Pressure	NUMBER(10,3)		null
Failure_Algorithm	VARCHAR(16)	<fk5>	null
Pt_Event_ID	NUMBER(16)	<fk6>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Pt_CIS_Reading

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
PS_ON	NUMBER(5,4)		null
PS_OFF	NUMBER(5,4)		null
Distance_GCL	NUMBER(16)		null
DC_Potential_Volts	NUMBER(5,4)		null
Pt_CP_Event_ID	NUMBER(16)	<fk3>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk2>	null
Comments	VARCHAR(255)		null

Pt_Material_Defect

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Material_Defect_Type_GCL	VARCHAR(16)	<fk2>	not null
Orientation	NUMBER(3)		null
Axial_Length	NUMBER(7,3)		null
Circum_Length	NUMBER(7,3)		null
Max_Width	NUMBER(7,3)		null
Surface_GCL	VARCHAR(16)	<fk3>	not null
Pt_Event_ID	NUMBER(16)	<fk5>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk4>	null
Comments	VARCHAR(255)		null

Pt_Leak_Survey

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Type_CL	VARCHAR(16)	<fk2>	null
Detected_Spacing	NUMBER(7,3)		null
Leak_Tool_ID	VARCHAR(16)	<fk3>	null
Pt_Event_ID	NUMBER(16)	<fk4>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk1>	null
Comments	VARCHAR(255)		null

Pt_Leak_Survey_Reading

Event_ID	NUMBER(16)	<pk,fk1>	not null
Inspection_Date	DATE		null
Reading	NUMBER(8,3)		null
Detected_Product_CL	VARCHAR(16)	<fk2>	null
Pt_Event_ID	NUMBER(16)	<fk4>	null
Description	VARCHAR(250)		null
Source_GCL	VARCHAR(16)	<fk3>	null
Comments	VARCHAR(255)		null

**Pt_