

IIRA EDITS - GENERAL

Passed:

FROM (SITE or TANK)
OVERFILL PROTECTION
OVERFILL PROTECTION TYPE
SPILL CONTAINMENT
CLOSE ORDER BY
CLOSE ORDER DATE
TANK CONTENTS
LINING INSPECTED DATE
MANIFOLDED
RELATED TANK ID
VEHICLE FUELING
AUTOMATIC FUELING

EAID (Earliest Actual Investigation Date from the investigation tracking table)
LAID (Last Actual Investigation Date)

TANK_STATUS_CODE
TANK_CONTENTS

Return String

DATE OF LINING

Tank ID: 371548		Update Tank Attributes	Return Without Updating
Overfill Protection:	Required - Installed	Overfill Protection Type:	Fill Shut Off
Spill Containment:	Required - Installed	Tank Wall Type:	Single
Tank Contents:	Gasohol	Date of Lining:	
<input type="checkbox"/> Vehicle Fueling		Lining Inspected Date:	
<input type="checkbox"/> Manifolded		Related Tank Id:	
<input checked="" type="checkbox"/> POS Dispensing		Tank Status Code:	In Use
Tank Closure Ordered By:		Tank Closure Order Date:	
<div>-None Selected-</div>			

Error Code	Edit	Condition	Reason	Code
		1 st edits are to made sure that if a date is entered that the date is valid		
gen0010.1	TANK CLOSURE	The Date of Lining, if entered, must be valid and not in the future. Date is required if we have a lining inspected date.		
gen0010.2	TANK CLOSURE	The Lining Inspected Date if entered, must be valid and not in the future And Lining Inspected Date < Date of Lining (this means we need the date of lining)	If there is a LINING INSPECTED DATE then we need to know the Date Lining was installed.	
gen0010.3	TANK CLOSURE	If the CLOSE ORDER DATE is entered it must be valid and not in the future		If CLOSE ORDER DATE is not null And (CLOSE ORDER DATE is not valid OR CLOSE ORDER DATE is > sysdate)
		2 nd is overfill and spill containment		
gen0020.1	CLOSURE	If overfill protection is required and not installed we do not allow the inspection to be closed. (It can not be - none selected -)		
gen0020.2	CLOSURE	If the spill containment is required and not installed we do not allow the inspection to be closed. . (It can not be -none selected -)		
gen0020.3	CLOSURE	If the overfill protection is required and installed then the overfill protection type can not be null, None or -None Selected-.	If overfill protection is not required but is installed we do not require that the type be known.	This column may have trash in it, ie overfill protection -not required not installed yet this column has a value. We do not edit for that.
		3 rd are the other edited columns		
gen0030.1	TANK CLOSURE	If the tank is MANIFOLDED then we require that the RELATED TANK ID be entered. We will check to make sure the related tank id has the same building id in the event they entered the wrong number by mistake.		
gen0030.2	TANK CLOSURE	If they have not checked MANIFOLDED then we require that the related tank id be removed.	It is much harder to add the id than to remove it so we want the user to make sure the tank is not manifolded.	
		No edits but just note: The tank status code can be edited but they can only choose between IU and TO.	For other status they should go through the permit staff.	
gen0030.3	TANK CLOSURE	TANK CONTENTS can not be unknown		
		The following fields are not edited		
		CLOSE ORDER BY VEHICLE FUELING AUTOMATIC FUELING (POS Dispensing)		

TANK DATA

Passed:

FROM (SITE or TANK)

TANK LEAK DETECTION METHOD

LEAK_TANK_TAKEN_DT

LEAK_TANK_EXPIRE_DT

MANUFACTURES NAME

MODEL NUMBER

MATERIAL APPR NUMBER

PROBE NUMBER

SIR START DATE

PIPE CATHODIC PROTECTION TEST – TEST DATE

PIPE CATHODIC PROTECTION TEST – DATE EXPIRES

TANK WALL TYPE

TANK CORROSION PROTECTION TYPE ID

TANK SIZE GALLONS

EAID (Earliest Actual Investigation Date from the investigation tracking table)

LAID (Last Actual Investigation Date)

TANK_STATUS_CODE

TANK_CONTENTS

Return String

Tank Data Tank Size: 8000 gallons Tank Contents: Gasohol			
Tank Leak Detection		Test Date	Date Expires
Method:	Automatic Tank Gauge ▼	02/06/2005	03/06/2005
Manufacturer Name: Gilbarco Inc		Material Appr Num: 20020005R1	Link
Model Number: EMC		Probe Number: PA0265XXX0X00 W/CSLD	
Tank Cathodic Protection Test Result:		Test Date	Date Expires
		08/31/2004	08/31/2005
SIR Start Date: <input type="text"/>			

Error Code	Edit	Condition	Reason	Code
		1 st Perform edit checks to see that if a date is entered that the date is valid		
TD0010	Closure or Tank	The leak detection test date , if entered, must be valid		If LEAK_TANK_TAKEN_DT not null And LEAK_TANK_TAKEN_DT not valid
TD0010	Closure or Tank	The leak detection expiration date if entered, must be valid		LEAK_TANK_EXPIRE_DT not null And LEAK_TANK_EXPIRE_DT not valid
TD0010	Closure or Tank	The SIR START DATE , if entered, must be valid		SIR START DATE not null And SIR START DATE not valid
TD0010	Closure or Tank	The TANK CATHODIC PROTECTION TEST – TEST DATE , if entered, must be valid		TANK CATHODIC PROTECTION TEST – TEST DATE not null and PIPE CATHODIC PROTECTION TEST – TEST DATE not valid
	Closure or Tank	The TANK CATHODIC PROTECTION TEST – DATE EXPIRES, if entered, must be valid		TANK CATHODIC PROTECTION TEST – DATE EXPIRES not null and PIPE CATHODIC PROTECTION TEST – DATE EXPIRES not valid
		2 nd Some of the dates, if entered can not be in the future		
TD0020	Closure	The leak detection test date, if entered, should not be in the future.	The date can be after the actual investigation date, just not in the future	LEAK_TANK_TAKEN_DT not null And LEAK_TANK_TAKEN_DT > SYSDATE
TD0020	Closure	The SIR date, if entered, should not be in the future.	The date can be after the actual investigation date, just not in the future	SIR START DATE not null And SIR START DATE > SYSDATE
TD0020	Closure	The Cathodic Test date , if entered, should not be in the future	The date can be after the actual investigation date, just not in the future	And Cathodic Protection Test Result Date Taken > SYSDATE
		The expiration dates must be greater than the actual investigation date if entered, but only do these edits when trying to close the investigation. This allows for the entry of a test result that is old during the inspection process.		
TD0030.1	Closure	The leak detection Expires date, if entered, can not be less than the actual investigation date	Also must be greater than the date the test was taken	
TD0030.2	Closure	The Cathodic Protection Expires date, if entered, can not be less than the actual investigation date.	Also must be greater than the date the test was taken	
		3 rd We first jump to the bottom and look at the Tank Cathodic Protection Test		
TD0040.1	Closure or Tank	If the corrosion protection type is (4) 'None' then that is an error.		
TD0040.2	Closure	If the corrosion protection type is (3) 'Not Applicable', that is only valid for tank_const_material_id = (4) fiberglass, (3) lined steel, (5) composite. If we have another combination contact the permit staff	Not Applicable is only valid for fiberglass, lined steel and composite tanks.	
TD0040.3	Closure or Tank	If the corrosion protection type is (5) external coating and the tank is a UST this is an error that should be corrected in REG OBJ	The user contact permit staff and have the corrosion protection type fixed - USTs can not have external coating.	

TD0040.4	Closure or Tank	If the tank is an AST tank , the test dates should be null	Cathodic tests are not performed on AST tanks	
TD0040.5	Closure or Tank	If tank_const_material_id = 4 (Fiberglass) then make sure the cathodic dates are null	Cathodic tests are not needed on a fiberglass tank	
TD0040.6	Closure	If the tank corrosion protection is Sacrificial Anode or Impressed Current then the tank needs a Cathodic test and both dates should be entered. So if either date is null we have an error.	When entering Attributes the test may not have happened thus this is a test only on the closure	TANK CORROSION PROTECTION TYPE ID is Sacrificial Anode or Impressed Current And (Cathodic Protection Test Date is null or Cathodic Protection Expire Date is null)
		4 th The Tank Leak Detection method must be known		
TD0050	Closure or Tank	If the tank is an AST tank we should insure that the tank We are finished with the edits		
TD0050	Closure or Tank	If the tank status code is 'TO' and the tank contents are empty(14) or sand/gravel/slurry (13) then no leak detection is required so are finished with the edits.	We will leave the old values for when/if the tank becomes back in use.	
TD0050.1	Closure or Tank	The tank leak detection method can not be -none selected- or "Unknown"	select the TANK LEAK DETECTION METHOD from the drop down.	
TD0050.2	Closure Tank	If the leak detection type is Visual Monitoring we are done	This is only possible for AST tanks	
		5 th We get to the following edits only for UST tanks that are IN USE - First lets look at some pre-edits		
TD0060.1	Closure Tank	If the tank is a federally_regulated_ust (Y) then leak detection is required. 'Not Required' would be an error.	All fed reg tanks require leak detection	
TD0060.2	Closure Tank	If the Tank Leak detection method is Not Required Then we know that federally_regulated_ust must not be 'Y' because of the previous edit. If Contents = fuel oil and tank_size_gallons > 4000 then we have an error because fuel oil tanks over 4000 gallons need leak detection.		Tank_contents_id = 6 (fuel oil)
TD0060.3	Closure Tank	If the tank leak detection method is Interstitial then the tank wall type must be double		
TD0060.4	Closure Tank	If the tank leak detection method is (MTG) Manual Tank Gauging and TANK_SIZE_GALLONS > 1000 this would be an error	Manual Tank Gauging is only applicable to tanks 1000 gallons and under	
TD0060.5	Closure Tank	If the tank leak detection is (13) MTG & IC and the tank size gallons >2000 this would be an error	MTGIC is only applicable to tanks 2000 gallons and less	
TD0070	Closure	The leak detection test date		
TD0070.1	Closure	For Interstitial Monitor, Ground Water Monitor, Vapor Monitor, Inventory Control and Tightness Test, SIR, ATG, MTG, MTGIC		

		The leak test date must be entered		
		Test the leak detection test date		
TD0070.2	Closure	For Interstitial Monitor, Ground Water Monitor, Vapor Monitor, SIR, ATG, MTG, MTGIC The leak detection test date is after the actual investigation date - no problem. If the leak detection date is 45 days before the actual investigation date - that is an error.		
	Closure	The leak detection expiration date		
TD0070.3		For Inventory Control and Tightness Test - MTGIC The expiration date must be entered and it must be greater than the actual investigation date		
	Closure Tank	SIR Start date		
TD0070.4		For Interstitial Monitor, Ground Water Monitor, Vapor Monitor, Inventory Control and Tightness Test, ATG, MTG, MTGIC The SIR date MUST BE NULL		
		For SIR the the SIR date must be entered		
		Manufacture Name		
TD0070.5	Closure	For Interstitial Monitor, Ground Water Monitor, Vapor Monitor, Inventory Control and Tightness Test, ATG, MTG, MTGIC The manufacture name may be null		
		For SIR - this field is required		
		Material Approval Number		
TD0070.6	Closure	For Interstitial Monitor, Ground Water Monitor, Vapor Monitor, Inventory Control and Tightness Test, SIR, ATG, MTG, MTGIC The material approval number may be null		
		Model Number		
TD0070.7	Closure	For Interstitial Monitor, Ground Water Monitor, Vapor Monitor, Inventory Control and Tightness Test, SIR, ATG, MTG, MTGIC The model number may be null		
		Probe Number		
TD0070.8	Closure	For Interstitial Monitor, Ground Water Monitor, Vapor Monitor, Inventory Control and Tightness Test, SIR,		

		ATG, MTG, MTGIC		
		The probe number may be null		

UNDERGROUND PIPING

Passed:

FROM (SITE or TANK)

PIPING LEAK DETECTION METHOD

LEAK_PIPE_TAKEN_DT

LEAK_PIPE_EXPIRE_DT

UNDERGROUND PIPING SYSTEM TYPE

MANUFACTURES NAME

MODEL NUMBER

MATERIAL APPR NUMBER

PROBE NUMBER

SIR START DATE

PIPE CATHODIC PROTECTION TEST – TEST DATE

PIPE CATHODIC PROTECTION TEST – DATE EXPIRES

PIPE WALL TYPE

PIPE CORROSION PROTECTION TYPE ID

EAID (Earliest Actual Investigation Date from the investigation tracking table)

LAID (Last Actual Investigation Date)

TANK_STATUS_CODE

TANK_CONTENTS

Return String

Underground Piping Data			
Underground Piping System		Piping Wall Size:	
Type:	Pressurized	Single	
Piping Leak Detection		Test Date	Date Expires
Method:	Inventory Control & Tightness Test	08/31/2004	08/31/2005
Manufacturer Name:		Material Appr Num:	
Model Number:		Probe Number:	
		SIR Start Date:	
Pipe Cathodic Protection Test Result:		Test Date	Date Expires
		08/31/2004	08/31/2005

Error Code	Edit	Condition	Reason	Code
pd0001	Closure or Tank	If the piping system type is "5 - No underground piping" then all test dates should be blank, leak detection method should be 7 (not required) and the other columns should be blank.	If there is no piping then the data would mean nothing, thus it should be blanked out. For the lead detection method, not required is as close as we get to leaving it blank. Piping wall type must be non-selected.	
pd0001	Closure or Tank	If the piping system type is unknown then this is an error	Since they are at the site, they should find out what type of underground piping we are dealing with.	
pd0001	Closure or Tank	If the piping system type is -none selected - that is an error	They must let us know either the type of piping or tell us that their is no underground piping (type 5)	If the UNDERGROUND PIPING SYSTEM TYPE is -None Selected-
		G1 - All edits from here on out assume piping does exist Next edits check to see that if a date is entered that the date is valid		
pd0010.1	Closure or Tank	The leak detection test date , if entered, must be valid		If LEAK_PIPE_TAKEN_DT not null And LEAK_PIPE_TAKEN_DT not valid
pd0010.2	Closure or Tank	The leak detection expiration date if entered, must be valid		LEAK_PIPE_EXPIRE_DT not null And LEAK_PIPE_EXPIRE_DT not valid
pd0010.3	Closure or Tank	The SIR START DATE , if entered, must be valid		SIR START DATE not null And SIR START DATE not valid
pd0010.4	Closure or Tank	The PIPE CATHODIC PROTECTION TEST – TEST DATE , if entered, must be valid		PIPE CATHODIC PROTECTION TEST – TEST DATE not null and PIPE CATHODIC PROTECTION TEST – TEST DATE not valid
pd0010.5	Closure or Tank	The PIPE CATHODIC PROTECTION TEST – DATE EXPIRES, if entered, must be valid		PIPE CATHODIC PROTECTION TEST – DATE EXPIRES not null and PIPE CATHODIC PROTECTION TEST – DATE EXPIRES not valid
		G2 - Some of the dates, if entered - can not be in the future		
pd0020.1	Closure	The leak detection test date, if entered, should not be in the future.	The date can be after the actual investigation date, just not in the future	LEAK_PIPE_TAKEN_DT not null And LEAK_PIPE_TAKEN_DT > SYSDATE
pd0020.2	Closure	The SIR date, if entered, should not be in the future.	The date can be after the actual investigation date, just not in the future	SIR START DATE not null And SIR START DATE > SYSDATE
pd0020.3	Closure	The Cathodic Test date , if entered, should not be in the future	The date can be after the actual investigation date, just not in the future	And Cathodic Protection Test Result Date Taken > SYSDATE
		The expiration dates must be greater than the actual investigation date if entered, but only do these edits when trying to close the investigation. This allows for the entry of a test result that is old during the inspection process.		

pd0030.1	Closure	The leak detection Expires date, if entered, can not be less than the actual investigation date		
pd0030.2	Closure	The Cathodic Protection Expires date, if entered, can not be less than the actual investigation date.		
		G3 - We first jump to the bottom and look at the Pipe Cathodic Protection Test		
pd0040.1	Closure or Tank	If piping_const_material_id = 4 (Fiberglass) or 7 (Flexible) then make sure the cathodic dates are null as these do not need cathodic testing		
pd0040.2	Closure	If the pipe corrosion protection is Sacrificial Anode or Impressed Current then the pipe needs a Cathodic test and both dates should be entered. So if either date is null we have an error.	When entering Attributes the test may not have happened thus this is a test only on the closure	PIPE CORROSION PROTECTION TYPE ID is Sacrificial Anode or Impressed Current And (Cathodic Protection Test Date is null or Cathodic Protection Expire Date is null)
		G4 The middle section of the form deals with Piping Leak Detection. From G1, we know that we have piping and thus leak detection is required. Most AST tanks have a piping type of Gravity-Head Pressure. UST tanks are normally Pressurized, Safe Suction or Non-Safe Suction. Our first checks are to make sure that a method has been entered. Note that the piping wall type must also be entered.		
pd0050.1	Closure or Tank	The PIPING LEAK DETECTION METHOD can not be unknown	Since there is underground piping because of the first edit - the leak detection method must be known (even if it is not required)	PIPING LEAK DETECTION METHOD is Unknown
pd0050.2	Closure or Tank	If the PIPING LEAK DETECTION METHOD can not be –None Selected–, a method must be chosen even if it is not required.	AST tanks with underground piping normally would be gravity/head pressure but may be another type	
pd0050.3	Closure or Tank	The piping wall type must be entered	Since there is piping they should find out if it is single or double walled.	
pd0050.4	Closure or Tank	If the Piping Leak Detection method is "Not Required" Then the underground piping system type must be Safe suction or Gravity. For these two no tests are required so the test dates should be null.		
pd0050.5	Closure or Tank	If the Piping Leak Detection method is "Interstitial Monitor - Visual" - the tank Must be an AST and the piping wall type must be double.		
		Note: If the Tank is an AST we are almost finished. We do not edit Piping Leak Detection method, the dates, Manufactures name, model number, material approval number, probe number or SIR date.		
pd0050.6	Closure or Tank	If the tank is an AST, the piping system type must be "Safe Suction" or "Gravity/AST Head Pressure"	Remember above we checked to see if it was 5 - no underground piping. Since there is piping, an AST must be one of those two types.	
pd0050.7	Closure or Tank	If the Piping System Type is "Gravity/AST Head Pressure" then the tank must be an AST or an Error.		
		All of the following edits are for UST tanks that have piping. At this point if the tank is an AST we are done.		

		Underground Piping System type		
pd0060.1	Closure or Tank	The Underground Piping System must be Pressurized(1), Safe Suction (3)or Non-Safe suction (2) when the leak detection method is: Interstitial Monitor Groundwater Monitor Vapor Monitor SIR		
pd0060.2	Closure or Tank	The Underground Piping System must be Pressurized (1) when the leak detection method is: Electric Line Monitor (ELM) (8)	ELM is only possible with a pressurized system	
		Manufactures name		
pd0060.3	Closure or Tank	The manufactures name is required when the leak detection method is: SIR (7) ELM (8)		
		Model Number		
pd0060.4	Closure or Tank	The Model Number is required when the leak detection method is: ELM (8)		
		Material Appr Number		
pd0060.5 reserved	Closure or Tank	The Material Appr Number is required when the leak detection method is:		
		Probe Number		
pd0060.6 reserved	Closure or Tank	The Probe Number is required when the leak detection method is:		
		SIR Start Date		
pd0060.7	Closure or Tank	The SIR Start Date is required when the leak detection method is: SIR (7)		
		Leak Detection - Test Date		
pd0060.8	Closure	The Leak Detection - Test Date is required when the leak detection method is: Interstitial Monitor (5) Groundwater Monitor (6) Vapor Monitor (4) Inventory Control and Tightness Test (2) SIR (7) ELM (8)		
		Leak Detection - Expire Date		

pd0060.9	Closure	The Leak Detection - Expire Date is required when the leak detection method is: Inventory Control and Tightness Test (2)		
		Piping Wall Type		
pd0060.10	Closure Tank	Piping must be wall type when leak detection method is Interstitial Monitor		
		Test the dates to see if they are current		
pd0060.11	Closure	<p>If the piping system type is Pressurized or Non-safe suction And leak detection method is Interstitial Monitor (5) Groundwater Monitor (6) Vapor Monitor (4) SIR (7) ELM (8)</p> <p>Then Leak pipe taken date + 45 must be >= actual investigation date.</p>		
pd0060.12	Closure	<p>If the piping system type is Pressurized or Non-safe suction And leak detection method is Inventory Control and Tightness Test</p> <p>Then Leak pipe Expire date must be >= actual investigation date.</p>		

UNDERGROUND PRESSURIZED PIPING SYSTEM DATA

Passed:

FROM (SITE or TANK)

UNDERGROUND PIPING SYSTEM TYPE

CATASTROPHIC LEAK DETECT

CATASTROPHIC LEAK DEVICE TEST DATE

PP MANUFACTORS NAME

PP MODEL NUMBER

PP MATERIAL APPR NUM

EAID (Earliest Actual Investigation Date
from the investigation tracking table)

LAID (Last Actual Investigation Date)

Returns String

Underground Pressurized Piping System Data	
Catastrophic Leak Detect: -None Selected-	Cat Leak Device Test Date:
Manufacture Name: 	Material Appr Num:
Model Number: 	

By pass these edits for now if tank is an AST

Error Code	Edit	Condition	Reason	Code
up0010.1	Closure Tank	If UNDERGROUND PIPING SYSTEM TYPE <> Pressurized then all the data should be null since the system is not pressurized		
up0010.2	Closure	The CATASTROPHIC LEAK DEVICE TEST DATE must be entered and be valid		
up0010..3	Closure	The CATASTROPHIC LEAK DEVICE TEST DATE can not be greater than the current system date		
up0010..4	Closure	The CATASTROPHIC LEAK DEVICE TEST DATE must be with in one year of the actual investigation		
up0010..5	Closure Tank	The CATASTROPHIC LEAK DETECT can not be unknown (we only get here after making sure the system is pressurized)		
up0010..6	Closure Tank	The Pressurized Systems Manufacture name must be known		
		No edits on PP MATERIAL APPR NUM PP MODEL NUMBER		