Source Water Protection Overview

Drinking Water Protection

Mason T. Miller

Potential Source of Contamination

PSOC's

A PSOC is anything that is or could become detrimental to the water supply.

290.38(11)

Texas Commission on Environmental Quality

PWS GROUND WATER SOURCE-CONSTRUCTION Checklist

Unit Name :
Investigation # :
Facility Name :

County :
TCEQ Investigator :

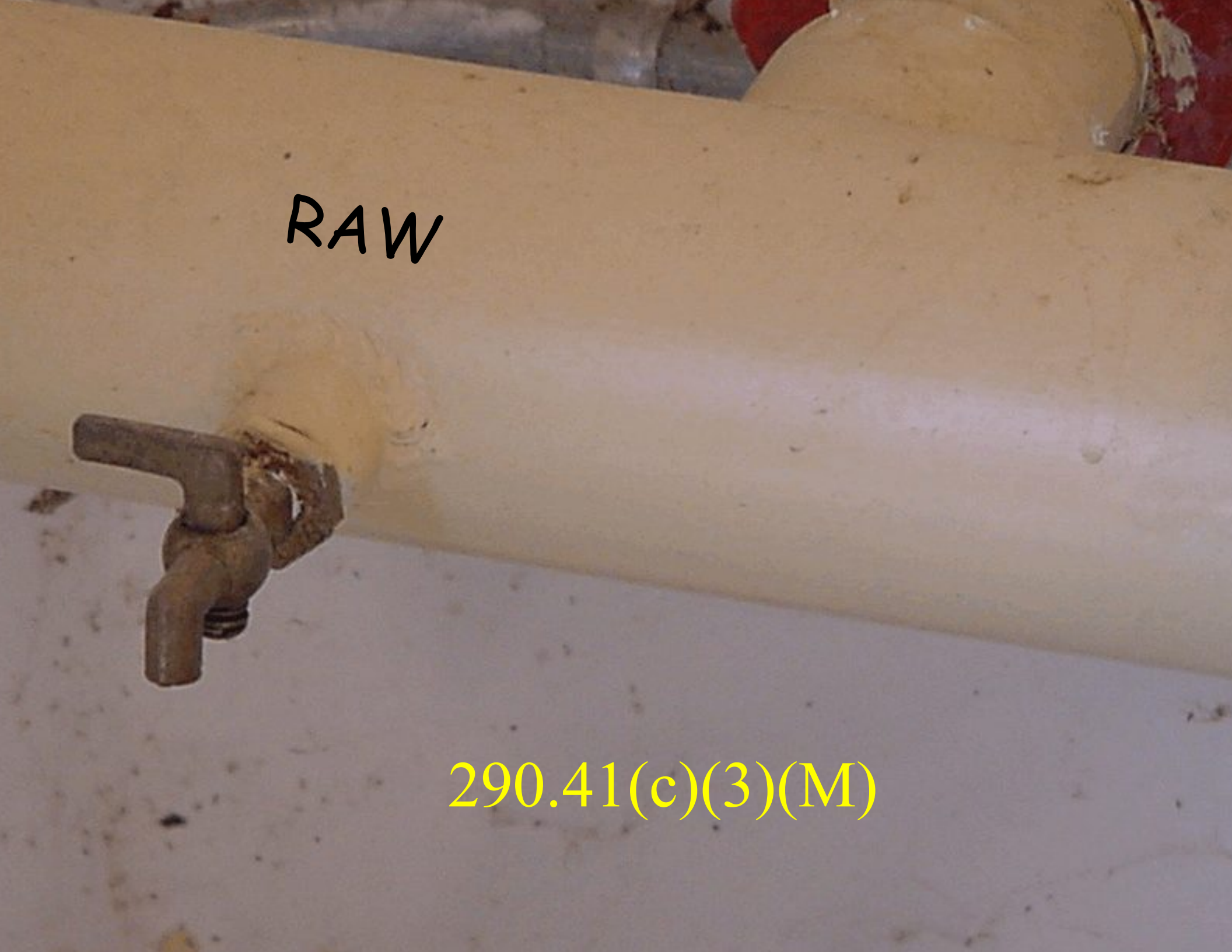
Item No.	Description	Answer	Comments	Due Date
1	Sanitary easement(s) recorded?	COMPLIANT		
2	Well cased 18 " above ground level?	COMPLIANT		
3	Proper concrete sealing block?	NON COMPLIANT	Failure to provide a concrete sealing block that extends at least 3 feet from the exterior well casing in all directions.	
	Citation: **30 TAC Chapter 290, SubChapter D** 290.41(c)(3)(J)			
4	Well head sealed?	COMPLIANT		
5	Casing vent properly installed?			
6	Air release devices properly installed?	COMPLIANT		
7	Electrical wiring installed in conduit?			
8	Suitable sampling tap?	COMPLIANT		
9	Well meter provided?	COMPLIANT		
10	Well blow-off properly installed?			
11	Well unit fenced or housed?	COMPLIANT		
12	Well site properly drained?	COMPLIANT		
13	All-weather road provided?	COMPLIANT		

290.38(48)

290.41(c)(3)(B)

290.41 (c)(3)(J)

290.41 (c)(3)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290.41(c)(3)(M)

290.42(e)(3)

290.42(b)(6)

290.43 (d)(3)

290.38(25)

290.38(25)

290.38(25)

290.38(25)

290.43(e)

290.41(c)(3)(O)

290.46(m)

Texas Commission on Environmental Quality

PWS GROUND WATER SOURCE- SANITARY Checklist

Unit Name :
Investigation # :
Facility Name :

County :
TCEQ Investigator :

Item No.	Description	Answer	Comments	Due Date
1	Well/pump room protected from flooding?	COMPLIANT		
2	Livestock prohibited within 50 ft. of well?	COMPLIANT		
3	Sanitary sewer, septic tank, cemetary >= 50 ft.?	COMPLIANT		
4	Septic tank drainfields >= 150 ft.?	COMPLIANT		
5	Drainage ditch or liftstation >= 300 ft.?	COMPLIANT		
6	Sewage treatment plant >= 500 ft.?	COMPLIANT		
7	Animal pens or landfill >= 500 ft.	COMPLIANT		

290.38(48)

290.41(c)(1)(A)
2003 8 11

290.41(c)(1)(A)

290.41(c)(1)(A)

290.41(c)(1)(A)

290.41(c)(1)(A)

WARNING
PETROLEUM
PIPE LINE
290.41(c)(1)(A)

290.41(c)(1)(A)
2003 8 11

Mobil
290.41(c)(1)(A)

290.41(c)(1)(A)

285.81

290.41(c)(1)(B)
2003 8 11

290.41(c)(1)(B)

290.41(c)(1)(B)

290.41(c)(1)(B)

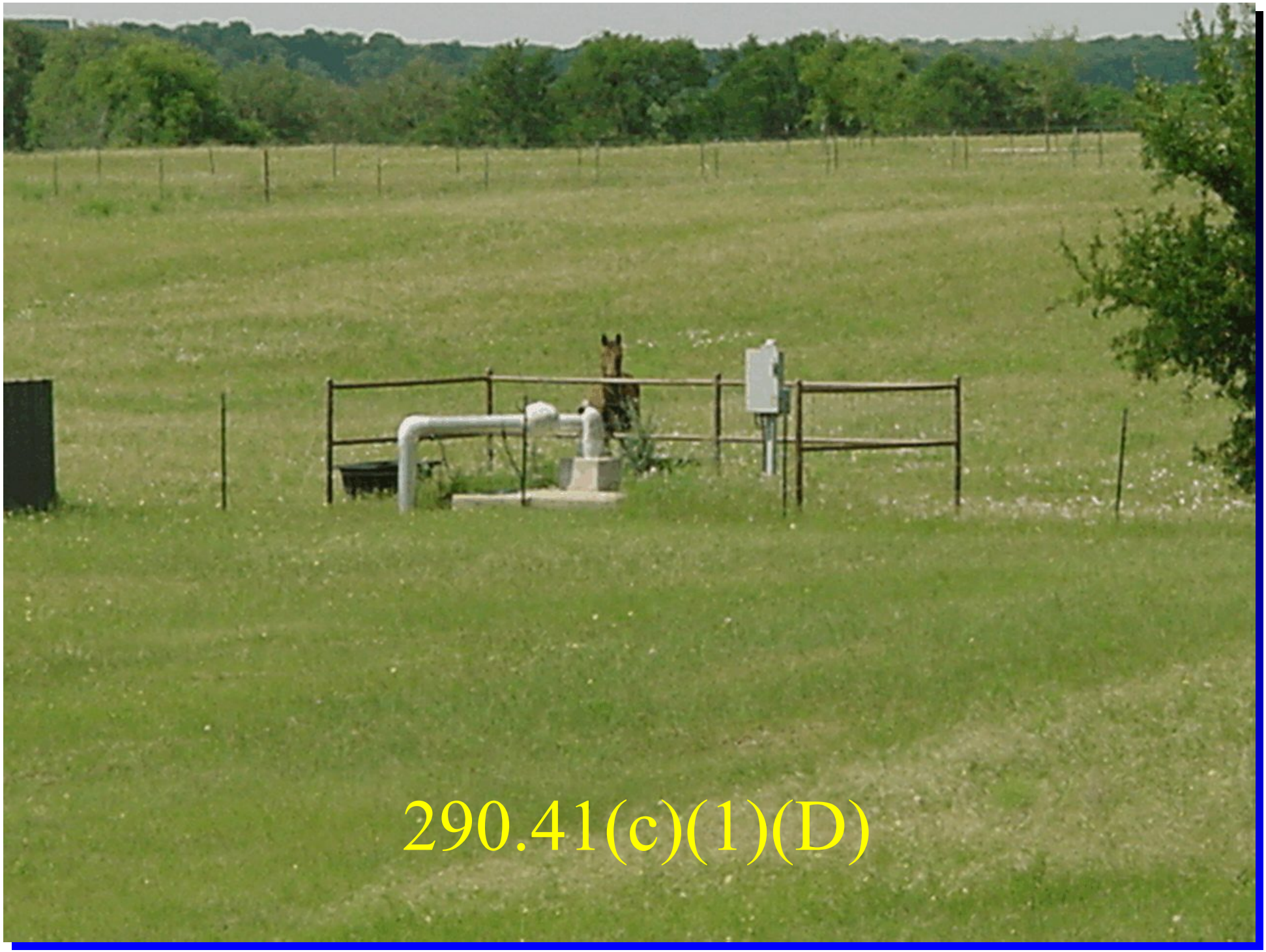
290.41(c)(1)(C)

290.41(c)(1)(C)

290.41(c)(1)(C)

290.41(c)(1)(C)
2003 8 11

290.41(c)(1)(D)


290.41(c)(1)(D)

290.41(c)(1)(E)

290.41(c)(1)(E)

290.41(c)(1)(E)

290.41(c)(1)(E)

290.41(c)(1)(E)

290.41(c)(1)(E)

290.46(u)

290.38(12)

Texas Commission on Environmental Quality

PWS STORAGE TANKS Checklist

Unit Name : GS

Investigation # :

Facility Name :

County :

TCEQ Investigator :

Item No.	Description	Answer	Comments	Due Date
1	Storage tank properly covered?	COMPLIANT		
2	Tanks tight against leakage?	COMPLIANT		
3	Vents properly installed?	COMPLIANT		
4	Openings properly screened?	COMPLIANT		
5	Proper roof hatch provided?	COMPLIANT		
6	Roof hatch kept locked?	COMPLIANT		
7	Proper overflow provided?	COMPLIANT		
8	Proper water level indicator provided?	COMPLIANT		
9	Drains properly connected?	COMPLIANT		
10	Inlet and outlet properly located?	COMPLIANT		
11	Disinfectant residual in water storage tank?	COMPLIANT		
12	Intruder-resistant Fence?	COMPLIANT		
13	Tank properly maintained, inspected and documented?	COMPLIANT		
14	Below-ground storage properly located?	NOT APPLICABLE		
15	Inspection ladder provided?	COMPLIANT		

290.43(c)(1) & (2)

290.43(c)(3)

STOP

290.44(a)(1)

Best Management Practices

Categories

- Structural BMP
- Non-structural BMP

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Questions

Mason T. Miller
TCEQ
Drinking Water Protection Team
mamiller@tceq.state.tx.us
254/761-3037