

Wisconsin Department of Agriculture, Trade and Consumer Protection Bureau of Weights and Measures P.O. Box 7837, Madison, WI 53707-7837 (608) 224-4942

Wis. Admin. Code §ATCP 93.680

FOR OFFICE USE ONLY
Transaction #:
☐ Copy to Owner
☐ Copy to Inspector
☐ Copy to Permit

#### ALTERNATIVE FUEL/E15/ADDITIVE STORAGE TANK SYSTEM AND/OR DISPENSER INSTALLATION/CONVERSION APPLICATION

New Tank System Installation Instructions: Use one form for each tank system. A DATCP certified installer or professional engineer shall complete Part I of this form and submit it to the department at the address above as part of the plan review submittal. If approved, before commencing normal fueling operations for alternative fuels, the operator shall complete Part II of the (Installation of new storage tank systems for ethanol blends of > 10%, biodiesel > 5%) form and provide the completed form to the DATCP general inspector specified on the conditional approval letter and notification email performing the preoperational inspection. The owner/operator shall not operate the storage tank system until both the TR-WM-138 installation checklist and Part II of the TR-WM-132 alternative fuel installation application have been completed and signed by their respective inspectors. Submit form to: DATCPplanreview@wisconsin.gov.

Existing Tank System Instructions: Use one form for each tank system. A DATCP certified installer or professional engineer shall complete Part I of this form and submit it to the department at the address above prior to the conversion. If approved, before commencing normal fueling operations, the operator shall complete the relevant Part II of the form and provide the completed form to the DATCP general inspector specified on the conditional approval letter and notification email performing the pre-operational inspection. Interior lined tanks cannot be approved for alternative fuel use. Note: Alternative cleaning methods shall be approved in advance by submitting form TR-WM-157 for approval. Submit form to: <a href="mailto:DATCPplanreview@wisconsin.gov">DATCPplanreview@wisconsin.gov</a>.

- Part II: Installation of new storage tank systems for ethanol blends of > 10%, biodiesel > 5%
  - Storage tank conversion for ethanol blends 11 to 15%
  - Storage tank conversion for ethanol blends greater than 15%
- Storage Tank conversion for biodiesel blends greater than 5%
- Storage tank conversion for higher ethanol blends to lower ethanol blends
- Conversion for using blending dispensers for ethanol ≤ 85% with storage tank system previously approved for alternative fuels

Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m) Wis. Stats.) Part I OWNER INFORMATION CUSTOMER ID#: CUSTOMER NAME: COMPANY NAME: TELEPHONE: EMAIL: SITE STREET ADDRESS (not PO Box) ☐ CITY ☐ VILLAGE ☐ TOWN STATE 7IP **PROJECT INFORMATION** FACILITY NAME: FACILITY ID#: SITE ID#: ☐ CITY ☐ VILLAGE ☐ TOWN SITE STREET ADDRESS (not PO Box) STATE 7IP FIRE DEPT. PROVIDING FIRE COVERAGE: FDID#: FINISHED PRODUCT(S) TO BE DISPENSED: ☐ APPROVED ALTERNATIVE CLEANING METHOD TRANSACTION ID: **CONTRACTOR INFORMATION** CONTRACTOR NAME: CUSTOMER ID#: CONTACT PERSON: SITE STREET ADDRESS (not PO Box) ☐ CITY ☐ VILLAGE ☐ TOWN STATE ZIP EMAIL: TELEPHONE: CFII: **TANK INFORMATION** ☐ Underground ☐ Aboveground ☐ New Tank ☐ Existing Tank → Date Installed: Tank ID #: Tank Orientation: Tank leak detection method: ☐ Automatic tank gauging ☐ Visual (Aboveground storage tank only) ☐ Statistical Inventory Reconciliation (SIR) ☐ Interstitial monitoring **UL Listed or Verified by Manufacturer Existing** New Equip. Existing New Equip. Component: Manufacturer Model/Brand Manufacturer Model/Brand for Fuel to be Stored Note: Write "HC" and the treatment material if a hard-coat treatment is used to achieve compatibility ☐ Listed □ Verified ☐ Unknown Tank construction material ☐ Listed □ Verified ■ Unknown Spill bucket ☐ Listed □ Verified Overfill / Auto shut-off ☐ Unknown

Alternative Fue	I Conver	sion Fee	Ψ		,	,			,	, -		
			\$		(	7636)	\$		(8253)	) <b>\$</b>		
FEES:			Plan Rev	view			Inspection			Total		
COMMENTS:												
Hose(s)										Listed	☐ Verified	Unknown
Nozzle(s)/Swivel(s)										Listed	Verified	Unknown
Break-away device										Listed	Verified	Unknown
Fuel filters										Listed	☐ Verified	Unknown
Emergency valve										Listed	☐ Verified	Unknown
Meter										Listed	☐ Verified	Unknown
Check valve										Listed	☐ Verified	Unknown
Blending valve										Listed	☐ Verified	☐ Unknown
Gaskets/seals										Listed	☐ Verified	Unknown
Dispenser sump senso	r									☐ Material ap	1	1
Dispenser Sump										Listed	☐ Verified	□ Unknown
Dispenser piping										Listed	☐ Verified	Unknown
Blending dispens	er: Ye	es 🗌 No	Contair	nment sum	np under disp	penser:	☐ Yes ☐ I	No	·		1	1
Dispenser listed	or finished	d product:	] Yes [	No								
DISPENSER INF	ORMATIC	ON						•	,		•	•
Flow restrictor										Listed	☐ Verified	Unknown
Line leak detector										Listed	☐ Verified	Unknown
Flex connector										Listed	☐ Verified	Unknown
Pipe sealant/adhesive										Listed	☐ Verified	Unknown
Gaskets/seals										Listed	☐ Verified	☐ Unknown
Pipe fitting/valve mater	ial									Listed	☐ Verified	Unknown
Sumps [	☐ Submersibl	le 🔲 Pip	e connection	ıs	ı							
Configuration [	☐ Single wall	☐ Do	uble wall		Туре:	Steel	☐ Fiberglass	☐ Flexible	☐ Other	r:		
PIPE INFORMAT		│	☐ Exi	sting [	☐ Mixed (N	lew/Ex	isting)	Existing Pipe	Install	Date		
Sump monitoring sens	ors									☐ Material Ap	proval	i
Leak detection probes										Listed	☐ Verified	Unknown
STP/Suction pump										Listed	☐ Verified	Unknown

Failure to submit this form with all items completed will result in the tank and dispenser being subject to red-tagging and shutdown. A tank with any "unknowns" will not be approved.

DATE SIGNED

CONTRACTOR SIGNATURE

# INSTALLATION OF NEW STORAGE TANK SYSTEMS FOR ETHANOL BLENDS > 10%, BIODIESEL BLENDS > 5%

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Res	oonsibilities of Tank Owner/Operato	r before dispensing ethanol blends grea	iter than 10%, biodiesel blends great	ter than 5%			
	Determine equipment compatibility - F	Part I of this form.					
	Submit to DATCP a certificate of insur	rance indicating UST coverage.					
	Check for water in the tank. No level of	of water is acceptable for gasoline-ethanol l	blended fuels.				
	Fill labeling - Identify fill port and paint	t access cover according to API RP 1637.					
	Dispenser labeling – label dispenser in requirements can be found at: Alterna	n accordance with the current requirements tive Fuel Labeling	s of ATCP 94.300. A fact sheet on labe	ling			
	Notify the DATCP inspector, on form TR-WM-121, at least 5 business days prior to the conversion to schedule a pre-operational inspection as required by ATCP 93.680(4)(c) or (7)(b). Assigned inspector information can be found in the Conditional Approval letter and notification email.						
Pre-	Operational						
	Complete part II of this form and subn	nit to DATCP inspector at the scheduled co	nversion pre-operational inspection.				
	with the new product, and signed by the inspector review during pre-operations available to the DATCP general inspection and sign for verification of the below and sign for verification of the below.	ending dispensers (if applicable) set up for the dispenser technician prior to the pre-operal inspection. Devices designed to check blactor at the time of inspection. For blending ollend ratio.  Shed fuel is visually free of undissolved wat	erational inspection. Reports shall be av- lend ratios and their access passwords dispensers, technicians shall fill out the	vailable for shall be made e information			
Ш		e or 21 °C (70 °F), whichever is higher.	or, scamont, and suspended matter, it	Silali be cical			
		/M-137 or TR-WM-118 along with a comple rt from DATCP Inspector to DATCP, W&M, i.gov.					
<u>For</u>	olending dispensers only						
	Record here which products are being blended:						
	Record here which products are being	g produced via the blending dispenser:					
	Record here the blend ratio and confir	rm it is correct based on the ethanol/biodies	sel percentage of the blended products	:			
ISPEN	SER TECHNICIAN SIGNATURE	PRINT TECHNICIAN NAME	COMPANY	DATE SIGNED			
Vote:	By signing, technician is acknowledgin	ng that all blender dispenser ratios have bed	en verified as accurate.)				
ANK O	WNER SIGNATURE	PRINT TANK OWNER NAME	COMPANY	DATE SIGNED			
Note:	By signing, signer is acknowledging th	nat all the above preparatory items have bed	en conducted.)				
ATCP	INSTALLATION/GENERAL INSPECTOR SIGNAT	TURE	DATE SIGNED				

Failure to submit this form with all items completed will result in the tank and dispenser being subject to red-tagging and shutdown.

When submitted independent of a broader plan submittal

application

#### STORAGE TANK CONVERSION FOR ETHANOL BLENDS 11 TO 15%

Res	Responsibilities of Tank Owner/Operator before ethanol blenc	s from 11% to 15% are trans	ferred to an existing	storage tank.			
	_ '' '	r gasoline-ethanol blended fue	ls.				
	<u> </u>						
		. ,					
		nom omornig.					
	-	n to ΔPI RP 1637					
			4.300. A fact sheet on	labeling			
	Notify the DATCP inspector, on form TR-WM-121, at least 5 business days prior to the conversion to schedule a pre-operational inspection as required by ATCP 93.680(4)(c). Assigned inspector information can be found in the Conditional Approval letter and notification email.						
Firs	irst Delivery						
	Conversion of tanks containing a different type of fuel, i. conversion. This is not required for tanks that contain an			all product before			
	Calculate residue volume in product piping based on size, typ quantity of fuel to be flushed from piping.	e and length. Purge the calcul	ated residue volume a	s a minimum			
	Test for water using ATG or gauge stick (use alcohol compat first 48 hours after delivery (RFA). If there is water in the tank						
	Change fuel filters.						
_	re-Operational						
		at the scheduled conversion pr	e-operational inspection	on.			
	Have dispensers calibrated if the tank previously contained a available for inspector review during pre-operational inspection shall be made available to the DATCP general inspector at the information below and sign for verification of the blend rate.	n. Devices designed to check e time of inspection. For blend	blend ratios and their a	access passwords			
	Draw sample and inspect that the finished fuel is visually free and bright at the ambient temperature or 21 °C (70 °F), which		nt, and suspended mat	ter; it shall be clear			
	Submit Tank Registration Form TR-WM-137 or TR-WM-118 of the pre-operational inspection report from DATCP Inspector email: <a href="mailto:datcpweightsandmeasures@wi.gov">datcpweightsandmeasures@wi.gov</a> .						
For	or blending dispensers only						
	Record here which products are being blended:						
	Record here which products are being produced via the blend	ling dispenser:					
$\Box$	Record here the blend ratio and confirm it is correct based or		blended products:				
_	_	1 0	· —				
DICDE	SPENSER TECHNICIAN SIGNATURE PRINT TECHNICIA	NINIAME	COMPANY	DATE CICNED			
	lote: By signing, technician is acknowledging that all blender disp			DATE SIGNED			
(11010	iote. By signing, teermolari is delitiowiedging that all blender disp	onser ratios have been vermea	as accarate.)				
TANK	NK OWNER SIGNATURE PRINT TANK OWN	IER NAME	COMPANY	DATE SIGNED			
	lote: By signing, signer is acknowledging that all the above prepa			BATTE GIGINED			
,	, 5 5, 5 111 1 115 G	,	,				
DATC	ATCP INSTALLATION/GENERAL INSPECTOR SIGNATURE		DATE SIGNED	<u> </u>			
	ilure to submit this form with all items completed will result in the tank and dis						
Fee S	e Submittal Plan Review Fee	Installation Inspection Fee	Plan Revision Fee	Re-inspection Fee			

\$100

\$100

\$100

\$35

## STORAGE TANK CONVERSION FOR ETHANOL BLENDS GREATER THAN 15%

Part	II				
Res	oonsibilities of Tank Owner/Operator be		greater than 15% are trans	ferred to an existing	storage tank.
	Determine equipment compatibility - Part	1 of this form.			
	Check for water in the tank. No level of wa		- <del>-</del>		
	All visible fittings and connections at the to	•	•	water enters).	
	Sump and spill containment covers secure		om entering.		
	Water infiltration problems fixed if necessar	•			
	The tank has been cleaned of all water ar COMPANY NAME PROVIDING SERVICE:	nd sediment in accord	lance with API standard 201	5-01 or department ap TELEPHONE ( ) -	
	ADDRESS:		CITY:	STATE	ZIP
	How/where is waste and rinsate being dis	posed of:			
	Fill labeling - Identify fill port and paint acc	cess cover according	to API RP 1637.		
	Dispenser labeling – label dispenser in ac requirements can be found at: <u>Alternative</u>		rrent requirements of ATCP	94.300. A fact sheet of	on labeling
	Notify the DATCP inspector, on form TR-V inspection as required by ATCP 93.680(4) notification email.				
Firs	t Delivery				
	Tank filled to 80% capacity (recommende	-	•		
	Calculate residue volume in product piping quantity of fuel to be flushed from piping.	-	-		
	Test for water using ATG or gauge stick (I first 48 hours after delivery (RFA). If there	-		,	
	Conduct a precision test of the tank systematical leak detection equipment is operating pro-	` •. ,	-		•
	Change fuel filters.				
Pre	-Operational				
	Complete part II of this form and submit to	=	•		
	Have all dispensers calibrated and blending				
	with the new product, and signed by the d inspector review during pre-operational in- available to the DATCP general inspector below and sign for verification of the blend	spection. Devices de at the time of inspec	signed to check blend ratios	and their access pass	words shall be made
	Draw sample and inspect that the finished and bright at the ambient temperature or 2	fuel is visually free o		nt, and suspended ma	atter; it shall be clear
	Submit Tank Registration Form TR-WM-1 of the pre-operational inspection report froemail: <a href="mailto:datcpweightsandmeasures@wi.gov">datcpweightsandmeasures@wi.gov</a>	om DATCP Inspector		• •	
<u>For</u>	blending dispensers only				
	Record here which products are being blended:				
	Record here which products are being pro	oduced via the blendi	ng dispenser:		
	Record here the blend ratio and confirm it	is correct based on t	he ethanol percentage of the	e blended products: _	
DISPE	NSER TECHNICIAN SIGNATURE	PRINT TECHNICIAN	NAME	COMPANY	DATE SIGNED
(Note	e: By signing, technician is acknowledging t	that all blender dispe	nser ratios have been verified	d as accurate.)	
TANK	OWNER SIGNATURE	PRINT TANK OWNE	ER NAME	COMPANY	DATE SIGNED
(Note	e: By signing, signer is acknowledging that	all the above prepara	tory items have been condu	cted.)	
	P INSTALLATION/GENERAL INSPECTOR SIGNATURE to submit this form with all items completed will re		enser being subject to red-tagging	DATE SIGNED	
	ubmittal	Plan Review Fee	Installation Inspection Fee	Plan Revision Fee	Re-inspection Fee
When	submitted independent of a broader plan submittal	\$35	\$100	\$100	\$100
applic	ation	ψυυ	ψ100	ψ100	ΨΙΟΟ

#### STORAGE TANK CONVERSION FOR BIODIESEL BLENDS GREATER THAN 5%

Part			
Res	ponsibilities of Tank Owner/Operator before transferring biodiesel blends g	reater than 5% to an existing stora	ıge tank.
	Determine equipment compatibility - Part 1 of this form.		
	Check for water in the tank. No level of water is acceptable for biodiesel blends.		
	All visible fittings and connections at the top of the tank are tight (no vapors esca	ape and no water enters).	
	Sump and spill containment covers secured to prevent water from entering.	,	
	Water infiltration problems fixed if necessary.		
	Fill labeling - Identify fill port and paint access cover according to API RP 1637.		
	The tank has been cleaned of all water and sediment in accordance with API sta	andard 2015-01 or department appro-	ved method (Not
Ш	necessary for blends ≤ B20)	andard 2015-01 or department appro	ved method. (Not
	COMPANY NAME PROVIDING SERVICE:	TELEPHONE:	
		( ) -	
	ADDRESS: CITY:	STATE	ZIP
	How/where is waste and rinsate being disposed of:		
	Dispenser labeling – label dispenser in accordance with the current requirement requirements can be found at: Alternative Fuel Labeling	ts of ATCP 94.300. A fact sheet on la	abeling
	Notify the DATCP inspector, on form TR-WM-121, at least 5 business days prior inspection as required by ATCP 93.680(7)(b). Assigned inspector information can		
	notification email.		
Firs	t Delivery		
	If tank previously contained a Class I product, then the tank shall be emptied.		
	Tank filled to 80% capacity and kept as full as possible for 7 to 10 days.		
	Calculate residue volume in product piping based on size, type and length. Purg quantity of fuel to be flushed from piping.	ge the calculated residue volume as a	n minimum
	Test for water at the beginning of each shift for the first 48 hours after delivery. I got there and fix it so it doesn't occur again.	f there is water in the tank, remove it	, find out how it
	Conduct a precision test of the tank system (0.1 gph leak rate) within 7 to 10 day	vs after tank is filled to make sure svs	stem is tight and
_	leak detection equipment is operating properly. Report shall be available for inst		
	Change fuel filters.		
Pre-	-Operational		
	Complete part II of this form and submit to DATCP inspector at the scheduled of	onversion pre-operational inspection.	
	Have all dispensers calibrated and blending dispensers (if applicable) set up for	the new blend ratio prior to the instal	llation inspection
	with the new product, and signed by the dispenser technician prior to the pre-op		
	inspector review during pre-operational inspection. Devices designed to check be available to the DATCP general inspector at the time of inspection. For blending		
	below and sign for verification of the blend ratio.	dispensers, technicians shall illi out	ule illioillation
	Draw sample and inspect that the finished fuel is visually free of undissolved wa	ter, sediment, and suspended matter	; it shall be clear
	and bright at the ambient temperature or 21 °C (70 °F), whichever is higher.		
	Submit Tank Registration Form TR-WM-137 or TR-WM-118 along with a complete the property of the		
	of the pre-operational inspection report from DATCP Inspector to DATCP, W&M email: <a href="mailto:datcpweightsandmeasures@wi.gov">datcpweightsandmeasures@wi.gov</a> .	l, P.O. Box 7837, Madison, WI 53707	-/83/ or via
For	blending dispensers only		
	Record here which products are being		
Ш	blended:		
	Record here which products are being produced via the blending dispenser:		
$\overline{\Box}$	Record here the blend ratio and confirm it is correct based on the biodiesel perc	entage of the blended products:	
_	•	<u> </u>	
DISPE	ENSER TECHNICIAN SIGNATURE PRINT TECHNICIAN NAME	COMPANY	DATE SIGNED
	e: By signing, technician is acknowledging that all blender dispenser ratios have b		BATE GIONED
TANK	OWNER SIGNATURE PRINT TANK OWNER NAME	COMPANY	DATE SIGNED
	e: By signing, signer is acknowledging that all the above preparatory items have b		
DATC	P INSTALLATION/GENERAL INSPECTOR SIGNATURE	DATE SIGNED	<u> </u>

Failure to submit this form with all items completed will result in the tank and dispenser being subject to red-tagging and shutdown.

Fee Submittal	Plan Review Fee	Installation Inspection Fee	Plan Revision Fee	Re-inspection Fee
When submitted independent of a broader plan submittal application	\$35	\$100	\$100	\$100

application

## STORAGE TANK CONVERSION FOR HIGHER ETHANOL BLENDS TO LOWER **ETHANOL BLENDS**

Pre-	Operational				
Pre-	•				
	Complete part II of this form and submit	•			
	Have all dispensers calibrated and blend with the new product, and signed by the inspector review during pre-operational i available to the DATCP general inspector	dispenser technician punspection. Devices de or at the time of inspec	orior to the pre-operational ins signed to check blend ratios a	spection. Reports shall and their access pass	be available for words shall be made
_	below and sign for verification of the bler				
Ш	Draw sample and inspect that the finishe and bright at the ambient temperature or	21 °C (70 °F), whiche	ver is higher.	·	
	Submit Tank Registration Form TR-WM- of the pre-operational inspection report f email: <a href="mailto:datcpweightsandmeasures@wi.gr">datcpweightsandmeasures@wi.gr</a>	rom DATCP Inspector			
For	blending dispensers only				
	Record here which products are being blended:				
	Record here which products are being p	roduced via the blendi	ng dispenser:		
	Record here the blend ratio and confirm	it is correct based on t	he ethanol percentage of the	blended products:	
				_	
DISPE	NSER TECHNICIAN SIGNATURE	PRINT TECHNICIAN	NAME	COMPANY	DATE SIGNED
(Note	e: By signing, technician is acknowledging	that all blender dispe	nser ratios have been verified	as accurate.)	
TANK	OWNER SIGNATURE	PRINT TANK OWNE	R NAME	COMPANY	DATE SIGNED
(Note	e: By signing, signer is acknowledging tha	t all the above prepara	tory items have been conduc	ted.)	
	P INSTALLATION/GENERAL INSPECTOR SIGNATU	IDE			
DATO					
	e to submit this form with all items completed will		enser being subject to red-tagging	DATE SIGNED and shutdown.	
Failure			enser being subject to red-tagging Installation Inspection Fee		Re-inspection Fee

\$100

\$100

\$100

\$35

Part II

application

## CONVERSION FOR USING BLENDING DISPENSERS FOR ETHANOL ≤ 85% WITH STORAGE TANK SYSTEM PREVIOUSLY APPROVED FOR ALTERNATIVE FUELS

Res	ponsibilities of Tank Owner/Operator bet	fore converting a sto	orage tank to a lower ethan	ol blend or using ble	nding dispensers	
	Determine equipment compatibility - Part I	of this form.				
	Fill labeling - Identify fill port and paint acco	ess cover according t	o API RP 1637.			
	Dispenser labeling – label dispenser in accrequirements can be found at: Alternative		rent requirements of ATCP 9	4.300. A fact sheet on	labeling	
	Notify the DATCP inspector, on form TR-WM-121, at least 5 business days prior to the conversion to schedule a pre-operational inspection. Assigned inspector information can be found in the Conditional Approval letter and notification email.					
Pre-	Operational					
	Complete part II of this form and submit to	DATCP inspector at	the scheduled conversion pro	e-operational inspection	on.	
	Have all dispensers calibrated and blending dispensers (if applicable) set up for the new blend ratio prior to the installation inspection with the new product, and signed by the dispenser technician prior to the pre-operational inspection. Reports shall be available for inspector review during pre-operational inspection. Devices designed to check blend ratios and their access passwords shall be made available to the DATCP general inspector at the time of inspection. For blending dispensers, technicians shall fill out the information below and sign for verification of the blend ratio.					
Ц	Draw sample and inspect that the finished fuel is visually free of undissolved water, sediment, and suspended matter; it shall be clear and bright at the ambient temperature or 21 °C (70 °F), whichever is higher.					
For	blending dispensers only					
	Record here which products are being blended:					
	Record here which products are being pro-	duced via the blendin	g dispenser:			
	Record here the blend ratio and confirm it	is correct based on th	e ethanol percentage of the	blended products:		
DISDE	NSER TECHNICIAN SIGNATURE	PRINT TECHNICIAN I	NAME	COMPANY	DATE SIGNED	
	e: By signing, technician is acknowledging t				DATE SIGNED	
•		,		,		
TANK	OWNER SIGNATURE	PRINT TANK OWNER	R NAME	COMPANY	DATE SIGNED	
(Note	e: By signing, signer is acknowledging that a	all the above preparat	ory items have been conduct	ed.)		
DATC	P INSTALLATION/GENERAL INSPECTOR SIGNATUR	E		DATE SIGNED	<del></del>	
Failur	e to submit this form with all items completed will re	sult in the tank and dispe	nser being subject to red-tagging	and shutdown.		
Fee S	ubmittal	Plan Review Fee	Installation Inspection Fee	Plan Revision Fee	Re-inspection Fee	
When	submitted independent of a broader plan submittal	\$35	\$100	\$100	\$100	