

**OKLAHOMA UNIFORM BUILDING CODE COMMISSION**

**ALTERNATIVE FUELS PROGRAM TECHNICAL COMMITTEE  
MEETING MINUTES**

**CONSTRUCTION INDUSTRIES BOARD/UNIFORM BUILDING CODE COMMISSION  
CONFERENCE ROOM  
2401 NW 23RD STREET, SUITE 2F  
OKLAHOMA CITY, OK 73107  
OCTOBER 26, 2015 - 1:30 P.M.**

**COMMITTEE MEMBERS PRESENT:**

Ross Barrick, Tony Blatt, Terrance Hellman, Mitchell Hort, Joe McKenzie (arrived at 1:47 p.m.), Eric Pollard, Adam Shupe, and Cary Williamson

**ALTERNATE MEMBERS PRESENT:**

Dave Evans (left at 4:00 p.m.) and Robert Lassiter (arrived at 1:37 p.m.)

**COMMITTEE MEMBERS ABSENT:**

Greg Armstrong, Craiton Cooper, Paula Laney-Cowart, Jeremy Moore, and Tom Sewell

**OTHERS PRESENT:**

Billy Pope (Staff – OUBCC), Kathy Hehnlly (Staff - OUBCC), and Scott Minton (OnCue Express)

**CALL TO ORDER:**

Mr. Mitchell Hort called the meeting of the Alternative Fuels Program Technical Committee to order at 1:30 p.m. in the Construction Industries Board/Uniform Building Code Commission Board Room at Shepherd Mall, 2401 NW 23rd St., Suite 2F, Oklahoma City, OK 73107.

**DISCUSSION AND ACTION ITEMS:**

Discussion and possible approval of the September 21, 2015 meeting minutes

Mr. Hort asked if everyone had time to review the minutes and if there were any questions.

**MR. TERRANCE HELLMAN MADE A MOTION WITH A SECOND BY MR. TONY BLATT TO APPROVE THE SEPTEMBER 21, 2015 MEETING MINUTES**

<b>VOTING AYE:</b>	Ross Barrick	Mitchell Hort
	Tony Blatt	Eric Pollard
	Terrance Hellman	Cary Williamson

**VOTING NAY:** None

<b>ABSENT:</b>	Greg Armstrong	Jeremy Moore
	Paula Laney-Cowart	Tom Sewell
	Joe McKenzie	

**ABSTAIN:** Adam Shupe

Discussion and possible action to approve a future meeting schedule

Mr. Hort noted there were some proposed tentative dates listed under item B and asked if the days worked for everyone.

MR. ROSS BARRICK MADE A MOTION WITH A SECOND BY MR. TERRANCE HELLMAN TO ACCEPT THE DATES AS PRESENTED

VOTING AYE:        Ross Barrick                                Eric Pollard  
                         Tony Blatt                                        Adam Shupe  
                         Terrance Hellman                                Cary Williamson  
                         Mitchell Hort

VOTING NAY:        None

ABSENT:             Greg Armstrong                                Jeremy Moore  
                         Paula Laney-Cowart                                Tom Sewell  
                         Joe McKenzie

ABSTAIN:            None

Ms. Hehnlly stated she would send out an electronic calendar request to everyone.

Discussion and possible action on AFPTC-9 (Third revision) on Section 2304.3.7 Quantity limits of the 2015 Edition of the IFC®

Mr. Hort asked Mr. Barrick to explain his proposal. Mr. Barrick noted the public comment form was a result of the discussion in September. He noted it was regarding the 25 gallon shut-off limit. He reviewed the previous discussion regarding the large capacity trailers and new fuel trailers utilized by farmers in rural areas, adding a lot of those are in excess of 500 gallons. He noted the change presented was the final wording discussed at the last meeting. Mr. Barrick stated when he was doing research on the breakaway devices, there were some that could be taken apart and reused, and some now came with a replacement date listed on the device. He stated the industry apparently felt they had an end-of-service life on them and that's why he added the language at the end of the second sentence in the exception to require replacement in accordance with the manufacturer's installation instructions. He added the wording for the first sentence came from NFPA-30A-14, Section 6.5.2.

MR. ROSS BARRICK MADE A MOTION WITH A SECOND BY MR. CARY WILLIAMSON TO ACCEPT THE PUBLIC COMMENT FORM AFPTC-9

There was further discussion on the item to modify the language in the first sentence to further clarify the exception.

MR. BARRICK AMENDED HIS MOTION WITH AGREEMENT BY MR. WILLIAMSON TO ADD THE WORDS "THAT ARE" AFTER THE WORD "DEVICES"

VOTING AYE:        Ross Barrick                                Joe McKenzie  
                         Tony Blatt                                        Eric Pollard  
                         Terrance Hellman                                Adam Shupe  
                         Mitchell Hort                                        Cary Williamson

VOTING NAY:        None

ABSENT:             Greg Armstrong                                Jeremy Moore  
                         Paula Laney-Cowart                                Tom Sewell

ABSTAIN:            None

Discussion and possible action on AFPTC-4 (Third revision) on Section 2308.7 – Emergency Shutdown Control (ESD), in the 2015 Edition of the IFC® and Section 413.8 in the 2015 Edition of the IFGC®

Mr. Hellman reviewed his revised comment form, noting some of the changes came from an email he had received from Mr. Minton that summarized some industry feedback he had received. He asked if anyone else had some comments or suggestions. The committee discussed the modification would require the ESD to stop everything; an email sent by Mr. Barrick that summarized discussions he had with NFPA experts regarding acceptable data communications via optic fiber; battery powered systems for data communications; current industry practices; clarification needed in the proposed language to address the differences between the multiple fuels and the shutdown requirements; clarification needed on canopy distances and the ESD's; issues with the distance requirements for the ESDs in the proposed change and how there will be work-arounds; and changing section references. They discussed Article 514 in the NEC® in reference to distance requirements for circuit disconnects; the initial issue for the modification – bringing the IFC® and IFGC® in alignment with the NFPA requirements; why the IFC® requirements were more restrictive for CNG; when the ESD is installed on the CNG cabinet; risk factors involved; options for modifying the requirements with an exception; compliance issues with existing systems and the IFC® requirements or if the requirements would apply only to new construction; and if the ESD on current systems were out of compliance or if they were okay as long as there was an ESD that met the requirement in the IFC®, with the thinking that an extra ESD on the dispenser was more restrictive than what the code required. There was further discussion on the issue.

**MR. ADAM SHUPE MADE A MOTION TO HAVE AN ESD SWITCH SIMILAR TO HOW THE IFC® AND NEC® ARE WRITTEN IN SECTION 2303.2 OR SECTION 2308.7**

Mr. Shupe stated for the discussion purposes to assume only one dispenser was involved, was the requirement going to be one shut off or two shut offs. He added the scenario for one shut off was a distance to be specified away from the dispenser but no less than another unspecified distance. He noted for two shut offs, one would be within a certain distance, and also one at least a certain distance away. He added if his motion was accepted it was in line with what was already adopted but would be going against NFPA 52. The committee discussed the motion and the requirements within NFPA 52®. Mr. Barrick asked if the motion was also based on the requirements in NEC, Article 514 and NFPA 30A, Section 6.7. Mr. Shupe replied with respect to the actual distances

themselves, then yes it was. He was asked if the motion was only for one. He replied with the exception of the one required in the compressor area. There was further discussion on the motion.

**MR. MITCHELL HORT SECONDED THE MOTION**

Mr. Pollard asked if his motion would restrict the owner from installing an ESD on the dispenser. Mr. Shupe replied that was not his intention. There was further discussion on the requirements and how the dispenser area is defined. Mr. Hellman noted if the intent was to go forward in a manner similar to the requirements in the IFC®, he would withdraw his public comment form since the intent of that form was to bring the requirements of NFPA 52 into the IFC®. After further discussion, Mr. Shupe withdrew his motion.

**MR. SHUPE MADE A MOTION TO NOT HAVE A REQUIREMENT SIMILAR TO NFPA 52® THAT HAS A MINIMUM DISTANCE FOR A DISCONNECT FROM A DISPENSING UNIT**

There was discussion over the motion. Mr. Shupe was asked to restate his motion. He replied he would but was modifying it slightly.

**MR. SHUPE MODIFIED HIS MOTION TO NOT REQUIRE A SWITCH WITHIN CLOSE PROXIMITY OF THE FUEL DISPENSING UNIT, SAY WITHIN TEN TO FIFTEEN FEET**

There was further discussion on the issue. Mr. Shupe withdrew the motion.

**MR. ROSS BARRICK MADE A MOTION WITH A SECOND BY MR. ANTHONY BLATT TO ACCEPT SECTION 2303.2 OF THE IFC AS PUBLISHED AS THE STARTING POINT TO REQUIRE AT LEAST ONE ESD AT NOT LESS THAN 20 FEET AND NOT MORE THAN ONE HUNDRED FEET**

Mr. Shupe noted there was no need for the motion since that was already adopted unless it was further stated it modified to the other section of the IFC mentioned in the discussion. Mr. Blatt noted the motion was to require at least one ESD. Mr. Hort wanted clarification that that motion was actually needed. After further discussion, the motion was withdrawn. The committee discussed several different scenarios and ways to modify the ESD requirements. Mr. Hellman requested to resubmit his public comment form at the end of the discussion.

**MR. HELLMAN MADE A MOTION TO APPROVE PUBLIC COMMENT FORM AFPTC-4 WITH THE FOLLOWING MODIFICATION: ADD TEXT TO CHANGE THE LANGUAGE "TWENTY-FIVE FOOT FROM THE DISPENSER CABINET" TO "TWENTY FEET (6 METERS) FROM THE DISPENSER CABINET"**

There was no second and the motion died. There was further discussion on the number of switches needed and if the interlocking dealt with just the CNG system or if the different fuel types would be interlocked. The item was tabled to allow for a new public comment form to be submitted.

Discussion and possible action on any issues found in the comparison of NFPA 52® , Chapters 9, 10, 12, 13, and 14 (formerly NFPA 57A® Standard for the Production, Storage, and Handling of Liquefied Natural Gas (LNG)® 1999 Edition) and the 2014 Edition of the National Electrical Code® and the 2015 Editions of the IFC® and IFGC®

Mr. Hort stated Ms. Laney-Cowart had mentioned NFPA 57A® was no longer the document to be utilized, that the information was rolled into NFPA 52®. Mr. Hort asked where everyone wanted to start. He asked if Chapter 53, Compressed Gases would be where the committee should go. Mr. Hellman agreed and noted there was not a lot of reference to LNG in the IFC®. Mr. Hort said there wasn't in the IFGC® either, other than a definition for it.

Mr. Hellman pointed out Section 10.4.3 of the NFPA 52® had some distance specifics on ESDs and Section 10.8.4 required all operations from the pumps and compressors to cease when the ESD system was initiated. He added it was something to keep in mind. Mr. Hort asked where the information pulled in should go in the IFC®. Mr. Hellman noted the IFC® gave a catch-all when it stated everything had to be in accordance with NFPA 52®. He added, if there was no conflict between the two, than there were no issues to be resolved. Mr. Hellman stated in Chapter 53 of the IFC®, Section 5301 General, the code required compliance with NFPA 52® and NFPA 59A®. Mr. Hellman noted it was also referenced in Chapter 55 regarding cryogenic fluids. He added 59A specified it was not in relation to fueling facilities.

Assignment of review for the November 16, 2015 meeting

Mr. Hort asked where the committee wanted to go as far as assigning homework for the next meeting. There was discussion on the two LNG facilities in Oklahoma. The committee consensus was to carry forward the same assignment on the LNG until the next meeting.

**PUBLIC COMMENTS:**

There were no public comments.

**ADJOURNMENT:** 3:55 p.m.

MR. MITCHELL HORT MADE A MOTION WITH A SECOND BY MR. TERRANCE HELLMAN TO ADJOURN

VOTING AYE:	Ross Barrick	Joe McKenzie
	Tony Blatt	Eric Pollard
	Terrance Hellman	Adam Shupe
	Mitchell Hort	Cary Williamson

VOTING NAY: None

ABSENT:	Greg Armstrong	Jeremy Moore
	Paula Laney-Cowart	Tom Sewell

ABSTAIN: None

Minutes approved in Committee Meeting on the 14th day of December, 2015

MITCHELL HORT  
Mr. Mitchell Hort, Chairman  
Alternative Fuels Program Technical Committee

PREPARED BY: KATHY HEHNLY  
Ms. Kathy Hehnly, Executive Assistant  
Oklahoma Uniform Building Code Commission

OFFICIAL COPY: *Original with signatures in office file.*