



UPDATE

F u e l s S a f e t y E d i t i o n

New Fuel Safety Fees Effective August 1, 2004

TSSA recently completed a comprehensive review of its fees for Fuels Safety (FS) program services in partnership with the Industry Advisory Councils for the fuels sector. Please be advised that a new fee schedule will take effect on **August 1, 2004**.

"While the rate of inflation has increased over the past decade," said Margaret Kelch, TSSA's President and CEO, "TSSA has held the line on many fees in support of our commitment to industry to maintain a fair and equitable fee policy for services across all sectors".

In an "open book" consultation process with our Fuels

sector Advisory Councils, TSSA found that the current revenue streams associated with inspection, engineering and licensing, registration and certification services were not fully aligned with the actual service delivery costs. To address this finding, we have adjusted our FS program fees to strike a balance across the three areas to ensure that the FS program is self-sufficient. As a result, FS engineering and inspection fees are increasing and licensing and registration fees are decreasing. This will better reflect the actual costs of providing these services. FS Certification fees remain unchanged.

We also responded to client requests for an improved TSSA invoicing process by combining FS licensing/registration and inspection fees into one invoice to reduce client administration costs.

"The new fees also contribute to the ongoing viability of TSSA as an effective safety organization," Ms. Kelch said. "This includes providing essential public safety services, such as incident investigation, enforcement, code development and training initiatives to reduce the number of preventable public and worker related incidents".

TSSA regularly reviews its fee structure to ensure that the

fees are balanced and more fairly and effectively reflect the cost of delivery and remove or reduce the burden on certain industry sectors that are subsidizing others.

The fee review process for fuels safety program services was guided by TSSA's overall fee setting principles which were reviewed and approved by each of our 11 Industry Advisory Councils, the TSSA Board of Directors and by the Ministry of Consumer and Business Services.

Please see detailed information on the new FS Fee Schedule (Page 2). For more information about TSSA services and fees, please visit www.tssa.org ■

NEMAK Partners with TSSA

On February 16, 2004, Nematik of Canada – Windsor Aluminum Plant earned the "Quality Assessed Facility" designation in the boilers, pressure vessels and fuels safety areas of the TSSA Quality Assessment Program.

The Windsor Aluminum Plant, located in Windsor, Ontario is a high volume producer of world-class aluminum

cylinder block castings for the automotive industry. In 2001, the Windsor Aluminum Plant's Engineers, Skilled Trades, Canadian Auto Workers Union Officials and Management Team held a historic meeting with David Aird, Sandra Cooke and Cathy Turylo, TSSA's Quality Assessment people.

The meeting introduced the TSSA Quality Assessed Facility Program to Nematik, which is a unique, proactive safety assessment that identifies opportunities for improvement and enhanced safety in areas such as boilers, pressure vessels, natural gas, propane,

diesel and fuel oil. Much to its credit, the Nematik Team seized the opportunity and committed to be assessed in the boilers, pressure vessels and fuels safety areas.

After a thorough assessment and a lot of hard work by all the people involved, TSSA was proud to award Nematik Canada's Windsor Aluminum Plant with the first ever "Quality Assessed Facility" designation under both the boiler, pressure vessel and fuels safety assessment areas.

For more information on the TSSA Quality Assessed Facility program, please contact **Mr. Ken Langer** at **416-325-9623** or visit our web site at www.tssa.org ■



If you are interested in participating in the program, please contact Ken Langer at (416) 325-9623.

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TSSA Fuels Safety Program Services Fee Schedule (Aug. 1, 2004)

DESCRIPTION	New Fee Effective Aug 1, 2004	Facilities (See Note 1)	Initial	Renewal
Engineering Services (subject to premium charge where appropriate)		Bulk Plant (small) - up to 350,000L	180.00	270.00
Design / Drawing Reviews	150.00 / hour	Bulk Plant (medium) >350,000L to 2,300,000L	900.00	990.00
Investigations	150.00 / hour	Bulk Plant (large) >2,300,000L	1,785.00	1,875.00
Consultation	150.00 / hour	Gasoline Station	132.00	222.00
Engineering Programs (subject to premium charge where appropriate and all services are provided at the program rate)		Marina	85.00	175.00
Variance Approvals	150.00 / hour	Propane Filling Plant/ Refill Centre (per Gallonage) (subject to minimum fee of \$90)	0.085	0.085 (plus \$90)
Field Development Projects	150.00 / hour	Facilities (Fee dos not include cyclical audit)	Initial	Renewal
Field Approval	150.00 / hour	Refueling Stations (CNG)	90.00	90.00
Inspection Services (subject to premium charge where appropriate)		Cylinder Exchange	90.00	90.00
Facilities Pre-licence (maximum 1/2 hour for travel)	135.00 / hour	Off - Road Rec. Vehicle	132.00	132.00
Transport Pre-licence (maximum 1/2 hour for travel)	135.00 /hour	Transport Tank - Gasoline/Diesel	90.00	90.00
Audit of Facilities/Contractors (maximum 1/2 hour for travel)	135.00 / hour	Transport Tank - Propane	102.00	102.00
Investigation	135.00 /hour	Fuel Oil Tank Registration	No Charge	
Follow up inspections for non-compliance (not including Field Approvals)	270.00/hour	Propane Cylinder Handling Facility (per Gallonage) (subject to minimum fee of \$90)	0.085	0.085
		Vehicle Conversion Centre	210.00	210.00
		NG Distribution		
		- < 14,000 c.m.	No Charge	
		- 14,000 - 280,000 c.m.	50.00	50.00
		- > 280,000 - 2,280,000 c.m.	490.00	490.00
		- > 2,280,000 - 1,000,000,000 c.m.	4,900.00	4,900.00
		- > 1,000,000,000 c.m.	73,300.00	73,300.00
		NG Transmission		
		- =/< 14,000,000 c.m.	4,900.00	4,900.00
		- > 14,000,000 c.m.	24,450.00	24,450.00
		Fuel Oil Distribution (Pipelines)		
		Oil Transmission - up to 20km	No Charge	
		Oil Transmission - > 20km	24,450.00	24,450.00
		Name change/Duplicate - Licensed Facilities		15.00
		Contractor Registration (See Note 2)	Initial	Renewal
		- Heating Contractor	365.00	365.00
		- Petroleum Contractor	365.00	365.00
		Name change/Duplicate		15.00
		Certificate (bi-annual)		
		- Application	70.00	70.00
		- Renewals	70.00	70.00
		Others		
		Conversion Label (package of 10)		115.00
		Regulation Tag (package of 50)		17.50
		Pressure Tag (package of 50)		15.00

Note:

1 This renewal fee includes 2 hours (\$135/hr) to cover a periodic inspection ('compliance audit') completed over a three year cycle. In situations where the periodic inspection takes in excess of 2 hours (i.e. large and/or non-complaint sites), the inspection time will be billed in accordance with the above schedule. For further information on the periodic compliance audits, please see our web site at http://www.tssa.org/fuels/faq_compliance_audits.asp.

2 This renewal fee includes 3.5 hours (\$135/hr) to cover a periodic inspection ('compliance audit') Completed over a three year cycle. In situations where the periodic inspection takes in excess of 3.5 hours (i.e. large and/or non-complaint contractors), the inspection time will be billed in accordance with the above schedule. For further information on the periodic compliance audits, please see our web site at http://www.tssa.org/fuels/faq_compliance_audits.asp

B-Vents Pose Potential Safety Hazard

By Sandra Cooke, Team Leader & Zenon Fraczkowski, Engineer, Fuels Safety Program

Over the last several months, TSSA was notified by a local natural gas utility that a number of homes are equipped with venting systems which are not approved for outdoor installation.

These were type "B" vents that are normally installed and approved for interior use. The area where notifications have been issued have type "B" vents approved for indoor use, which were installed on the exterior of the homes. **Please note that this issue does not pertain to type "B" vents exposed above the roof line.**

In outdoor applications, there are three possible worse case scenarios that may lead to improper venting and carbon monoxide possibly entering into one's home:

1. These vents are exposed to cold temperatures that can adversely effect the venting.
2. Condensation due to cold temperatures can develop and

accelerate corrosion causing perforations that leads to improper venting.

3. The condensation can also accumulate, may freeze and block the venting system completely.

The Ontario Gaseous Fuels Regulation (Regulation 212/01 under the Technical Standards and Safety Act, 2000) adopts the CSA B149.1-00 national code. Past and present installation Codes required venting systems installed outdoors to be approved for that application.

Gas technicians must issue instructions under the Gaseous Fuels Regulation based on the safety hazard presented by the code non-compliance. An immediate hazard must be shut down immediately and stay shut down until the device is brought into compliance. The Regulation allows up to 90-days to comply in the event of an unacceptable condition in

Gas technicians must issue instructions under the Gaseous Fuels Regulation based on the safety hazard presented by the code non-compliance.

which there is no immediate safety hazard. The actual time period specified is determined by the certificate holder who has inspected the specific installation and is based on the likelihood of safety hazard occurring.

TSSA issued a Director's Order in late February 2004 to all stakeholders regarding the unapproved outdoor installation of "B" vents. The Order per-

mits a qualified certificate holder or gas distributor to extend the time to correct this non-compliance, when there is no immediate hazard present, up to a maximum of 120 days.

The purpose of the Order was to allow homeowners a reasonable time period to seek advice and obtain competitive quotes from qualified contractors to correct the situation and prevent the termination of the gas supply during the heating season.

TSSA is also looking at alternative solutions with the assistance of industry. When, and if, an alternative is accepted, TSSA will communicate the information immediately.

For further information about this issue, visit the Fuels Safety section of our Web site at: www.tssa.org ■

"Our Side Of The Fence" A Word from TSSA Fuels Safety Inspectors

By Stu Seaton, Team Leader, Fuels Safety Program

In our world everything equates to safety. We look at things closely, very ...slowly and painstakingly. Sometimes it even looks like we're looking too slowly or asking way too many questions. We want things in writing. We want photos, lots of photos and diagrams and schematics and, and, and.... the list goes on.

Who are these Inspectors? Where do they come from? The long and short of it is that we are just an extension of you. We're people that carried the tools, did the job, learned a ton of stuff, made mistakes and, considering

how many new ones are out there, tried to avoid making the same one twice. We're people that know what it's like to skin knuckles on wrenches or to order the wrong fitting at 4:30 on a Friday afternoon. Hey, we're human. We also know your immense satisfaction of standing back and looking at a job well done and knowing the bill will be paid.

When we come to your door you'll know that we understand the pitfalls and the high sides of your business. We know that your hard-earned money is your business life-blood. We also

know, and can prove, that doing a job clean and tight, to Code, to Regulation and to the Act means a job that's very easy to defend. It means you don't have to take a back seat to anyone. We know that when we demonstrate small things which add to your practice of due diligence, your liabilities decrease.

When we convince an employee to keep a running log of what he or she did, you get a clearer picture of your business and your liabilities. When we demonstrate how important something as simple as instrument calibra-

tion is you see a decrease in your liabilities and an increase in equipment performance. When we explain that piece of Code that you just didn't "get", the picture becomes clear and you know the direction to go. Because we've been there we know that's important.

As in all segments of society there are people that just don't want to do it right, they want the fast buck, cutting corners is sometimes standard operating procedure. We see them too. We see how they impact your business. We see how one or two

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Fuel Oil frequently asked questions...

By Raphael Sumabat, P.Eng., Fuels Safety Program

Q. I have just purchased another fuel oil distribution company. Are the existing clients of the fuel oil distribution company that was just purchased considered "new installations" and so need to be inspected prior to supplying fuel?

A. No. The existing clients will not be considered new installations of the combined company so long as records exist confirming previous inspections and deliveries are maintained.

Q. Does an aboveground residential fuel oil tank certified to ULC-S602 need to be removed as suggested by section 3.5.5(e) of the Gaseous Fuels Code Adoption Document?

A. No. Underground fuel oil tanks and aboveground fuel oil tanks that are not certified to ULC-S602 are the tanks that are required to be removed as per section A.6.8 and A.11 of CSA-B139.

Q. What are the proper foundations/support for a residential fuel oil tank?

A. The requirements for tank supports and foundations are outlined in section 6.3 of the CSA-B139. In addition, many tank manufacturers are outlining in their installation instructions means to provide support and foundations. These instructions include using mechanically compacted stone as a well drained subgrade and a 6 inch thick reinforced concrete pad attached to the foundation.

Q. Do I need to submit drawings before installing aboveground or underground tanks?

A. Drawings do not have to be submitted for aboveground tanks but as a condition of a new underground tank registration, design drawings and an inspection will be required.

Q. What is approved underground double wall piping/tubing?

A. Section 8.3.2.1.2 requires that underground piping or tubing be installed with a secondary containment system. The underground secondary containment system is required to be certified to ULC/ORD-C107.19. Only secondary containment systems labeled by a recognized certification agency (e.g, ULC, CSA, Intertek Testing Services, etc.) to the above standard are acceptable for installation.

QUALITY ASSESSED CONTRACTOR



Become a
Quality
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The QAC designation allows Heating Contractors to show customers their commitment to quality and safety.

This annual assessment program can be taken to promote a safe environment and achieve a higher level of workmanship.

Keep safety top of mind. Proactive safety is the answer.



Benefit from our
safety expertise.

To learn more about the TSSA QAC program, please visit our Web site at www.tssa.org or call 1.416.325.1131

"Our Side Of The Fence"...

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unscrupulous people in your area can spiral fair market prices away and make your

trade untrustworthy. We see safe practices you strive for go out the window and sometimes we see tragic results. Maybe we can lead those to the pool of knowledge, maybe not, but we will do everything in our power to make sure they live by the

same rules you do. That's just plain fair and it's our commitment to public safety. It's also because we've walked in your shoes.

So when someone shows up at your door and hands you a TSSA Fuels Safety business

card take a moment, understand that it's not just a "regulator" standing before you, but someone who knows your trade and can help you make a better, more profitable and safer business. ■

Fuels Training & Certification Advisory Board (TCAB)

By Penny Connors, Quality & Standards

Have you ever wondered how TSSA develops the Technician Certification Requirements and Procedures?

Many of you may not be aware of the various roles industry members play with respect to building the code requirements, licensing categories and the corresponding procedures to obtain technician certification.

Within the Fuels industry, the gaseous fuel certification regulation (O. Regulation 215/01) and the corresponding Gas/Oil Technician Policy and Procedures for Certification, set out the categories, scope and process to obtain certification to work as a technician in Natural Gas, Propane and Fuel Oil industries.

TSSA, through its network of Advisory Councils, the Training and Certification Advisory Board

and various other committees, establishes and refines the certification requirements that affect a variety of industry sectors. We take our consultative processes seriously and strive to implement requirements that improve safety, ensure competence and streamline the requirements to improve compliance.

For the gaseous fuel sector, the Fuel Industry Training and Certification Advisory Board (TCAB) has been established in Ontario by TSSA for a number of years and is the main industry board responsible for providing direct input to TSSA in developing and refining the certification processes. The TCAB is involved in all aspects of the certification process from establishing and updating in school curriculum to the certification test banks and update requirements.

The purpose of the Fuel TCAB is to develop, promote and maintain a uniform training standard for the qualification, examination and certification of trades persons which both provide for the protection of the public of Ontario and meet the needs of industry.

The current Fuel TCAB is composed of representatives/members from each of the following industry sectors:

- **Utilities**
- **Propane (Propane Gas Association of Canada & the Ontario Propane Association)**
- **Fuel Oil (Canadian Oil Heat Association)**
- **Heating, Refrigeration & Air Conditioning Institute (HRAI)**
- **CSA International**
- **Training Providers (College Representatives**

& Private Trainers)

- **Joint Training & Apprenticeship Committee Trade**

The Fuel TCAB establishes and oversees a variety of sub committees to address areas of improvement including the lab standards committee and the apprenticeship committee. As new initiatives are identified, further committees are established to address the need.

Currently, the TCAB is reviewing the certification regulations and policies. Your feedback to provide updates/clarifications within the process is appreciated.

Questions related to the work of the TCAB or to submit a proposal for consideration should be addressed to:

Penny Connors, Chair, Fuels TCAB at the TSSA head office location. ■

Technician Update Certification Workshops a Success

The deadline of December 31, 2003 has come and gone, large numbers of technicians have successfully completed the workshops, however we still have a large number of technicians who have not yet provided proof that they have completed the requirements and as such have received suspension letters. If you are one of these technicians, you can have your suspended certificate reactivated by simply providing TSSA a copy of your Certificate of Completion or transcript from your training provider.

If you have not completed the requirements, your certificate will remain in suspension until December 31, 2004 or until we receive your proof

of completion.

If you do not wish to maintain all or part of a Certificate, we would like to update our records to reflect this. We would therefore ask that you please send in a written notice that you no longer require the specific endorsement(s) to TSSA and they will be cancelled. However, if you decide anytime in 2004 that you would like part of this certificate back, simply complete the workshop that corresponds to that endorsement, send us proof of completion and we will reactivate that portion.

**Beatrice Title, Certification Advisor
Phone: 416-325-4100
Facsimile: 416-326-8248. ■**

Challenge Examination Processes

By Theresa Coombes

Administrative Assistant - Quality & Standards

Many individuals feel that they can qualify for certification as a fuels technician without taking a training course. They may have let their certificate lapse in the past. They may have been a fuels technician in another jurisdiction. They may have learned what they need to know from another technician. TSSA believes that these individuals should have the opportunity to demonstrate their theoretical and practical skills in order to gain certification. For this reason, TSSA has implemented the Challenge Examination process.

Any individual who feels that they possess the skills required of a fuels technician, may "challenge" the certification requirements. Challenge applicants are required to pass the same theoretical examination that trainees are required to pass. Applicants who pass the theory examination, are required to demonstrate their practical skills to either an Inspector or an accredited trainer. Applicants that pass both tests, are issued the certificate that they have challenged.

Anyone wishing to Challenge a fuels certificate may do so through Theresa Coombes, tcoombes@tssa.org or **416-325-2447**.

Please see our Web site and review the Policy and Procedures for Gas and Oil Technicians and the 215/01 Regulation for more information. ■

TSSA Contacts

Main Switchboard

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We welcome your comments and story ideas for future editions
of this newsletter. Please contact:

TSSA UPDATE (Fuels Safety Edition)

Fuels Safety Program

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