CEAEC | Canadian Explosives Industry Association
Association Canadienne de l'Industrie des Explosifs

CEAEC MEETING

Ottawa, Sheraton Hotel, November 9th, 2023

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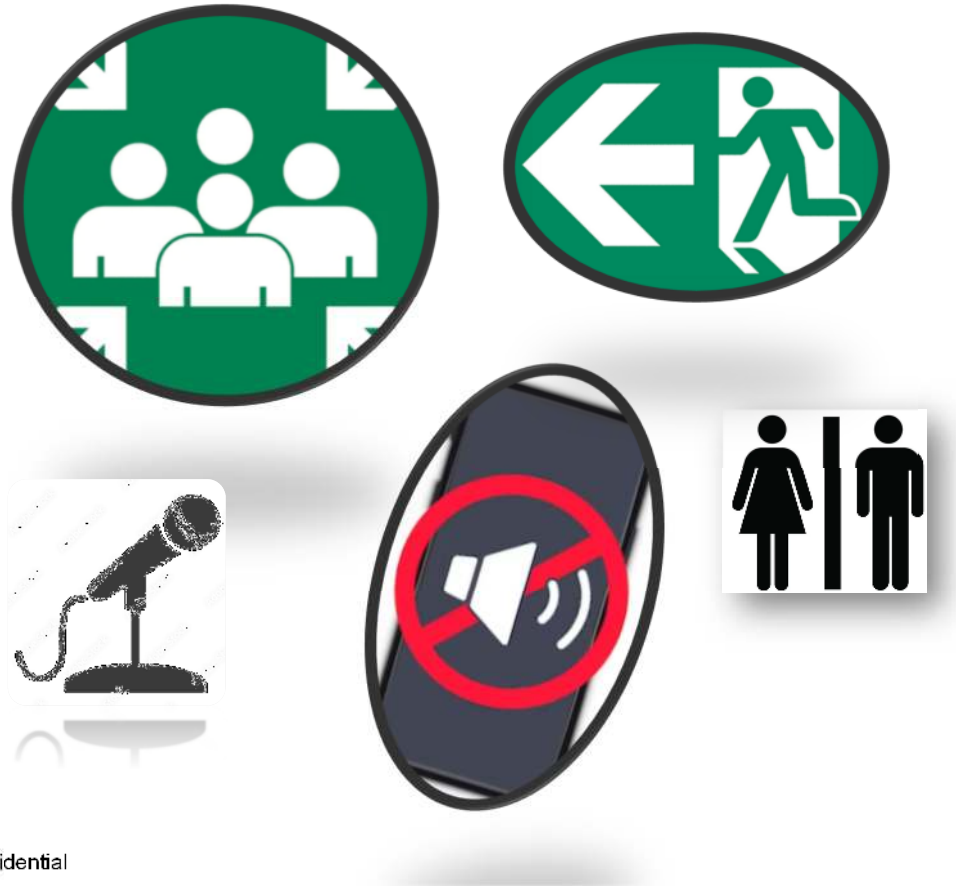
Opening Remarks

- Housekeeping
- Introductions



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CEAEC Objectives

- Promote high HSEC standards for use, handling, storage and transport of explosives
- Encourage adoption of uniform legislation for the explosives industry
- Promote general interests of distributors, manufacturers and end-users

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Code of Conduct

STANDARDS OF CONDUCT FOR CEAEC MEETINGS:

- Don't use terminology or make statements that might jeopardize CEAEC in the eyes of the law, particularly anti-trust laws.
- No discussion of prices.
- No exchange of statistics.
- No price fixing.
- No negative comments about others in our industry not part of our association. CEAEC is not a control organisation, everyone is free to compete in the manner they so choose.
- No discussion on division or restriction of trade or methods of distribution.
- No discussion of boycotting sales to any client because of poor credit.
- No discussion of sharing clients or markets.
- In other words, only positive discussions which will assist in promoting the aims of the Association.

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Agenda

Nov 9, 2023	**General Meeting – Penthouse "A&B"** *(Business Casual Attire, Name Tag)*	**8:00– 4:00pm**
	Breakfast – Penthouse "A&B"	**7:00 – 7:45 am**
	President's Remarks	8:00 am
	Committee Reports	8:15 am

- Regulatory – A. Loan
  - Standards / Guidelines updates.
  - Regulatory Initiatives
- Safety, Security, Environment – B. Choquette
- Transportation – K. Kelly
- Manufacturing, Technical – G. Deboer
- Provincial Liaison – P. St-Georges

Overview CEAEC's Website – A. Loan	9:00 am
Coffee Break	**9:15 – 9:30 am**
ERD Update	9:30am - 12:30pm

- Regulatory Update / Next Steps - E. Malley
- Technical Update - M. Lafleur
- Licensing / Inspection Results / Issue - R. Holmberg

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Agenda

Lunch – Penthouse A&B	**12:30 - 1:15 pm**
TC Update	1:15 - 3:00pm
• ERAP - M. Lavoie	1:15pm
• CGSB 43.151 standard - S. Dionne	1:45pm
• Havelock Incident – B. Luffman	2:00pm
• Regulatory Developments - D. Lamarche	2:30pm
ANE Truck Fire (Australia) Update - N. Hsu	3:00pm
General Q&A Session	3:30 - 4:00pm

Dinner & Hockey ***Bus Departs 4:30pm***

EXPLOSIVES DESTRUCTION OF INITIATING SYSTEMS AFTER HAVELOCK INCIDENT CLEAN-UP

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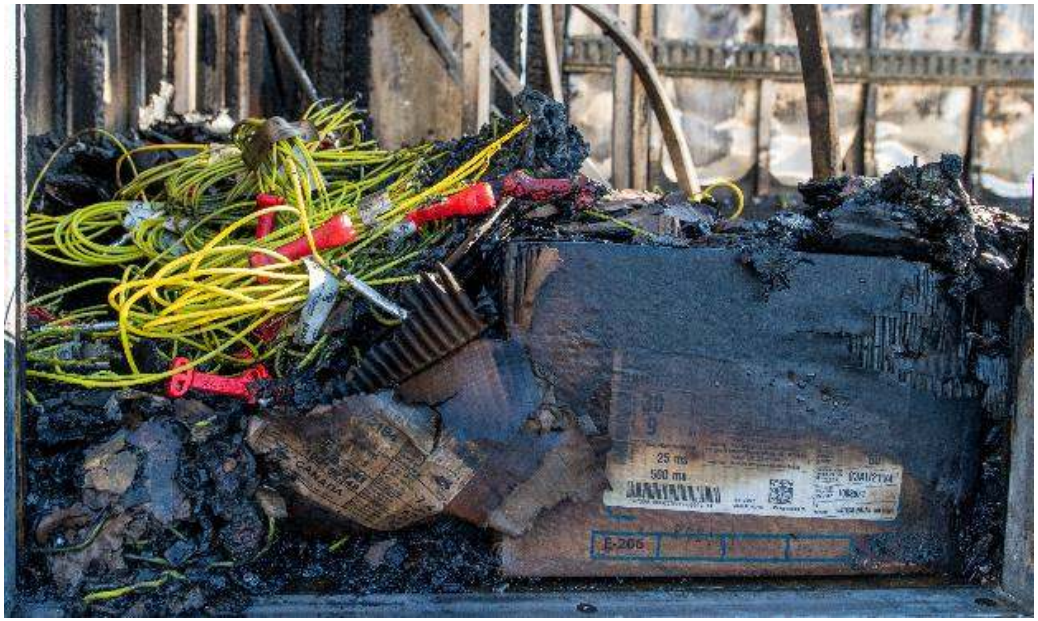
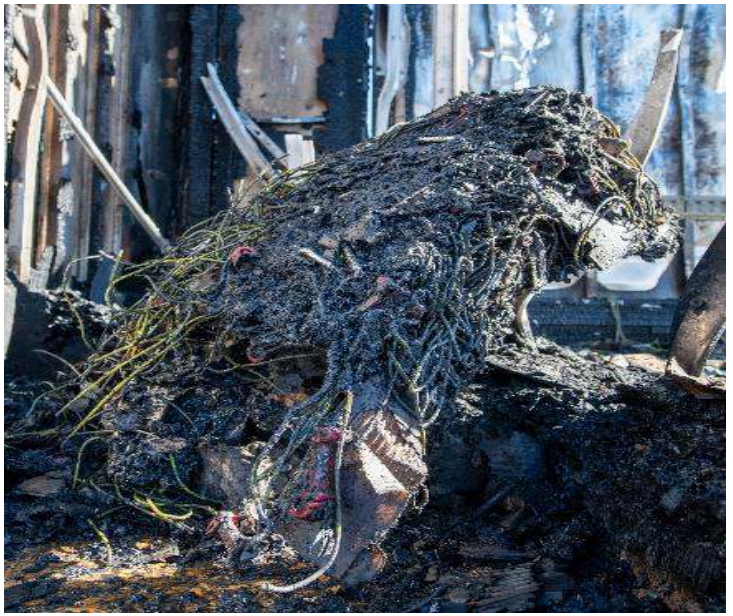
Safety Share

Orica Truck Accident – Havelock, Ontario, Canada Sept 16, 2021

Involved the Havelock truck fire were 13 cases of Exel Handidet assemblies.
None of the cases were ejected from the truck during the collision but all cases were damaged during the fire.





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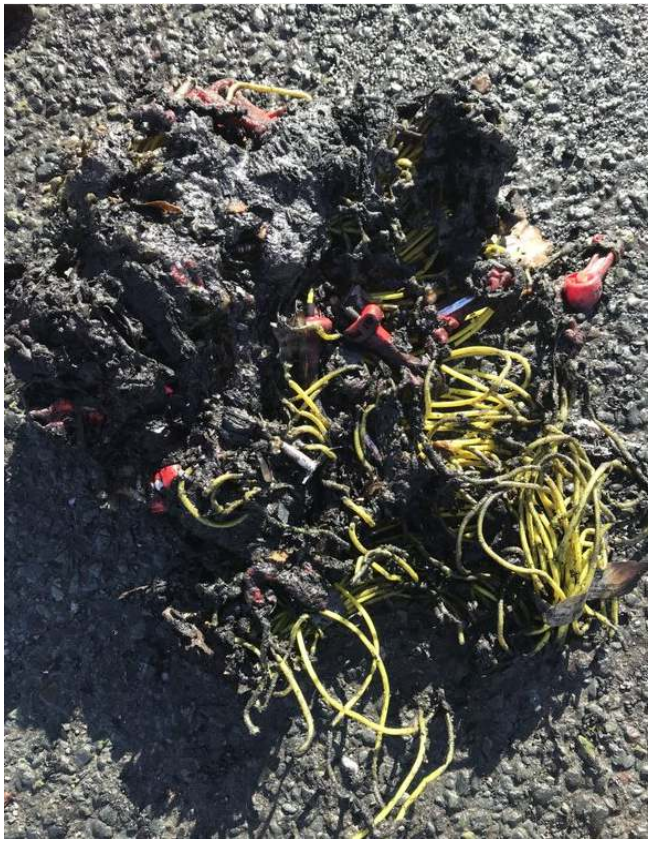
Safety Share

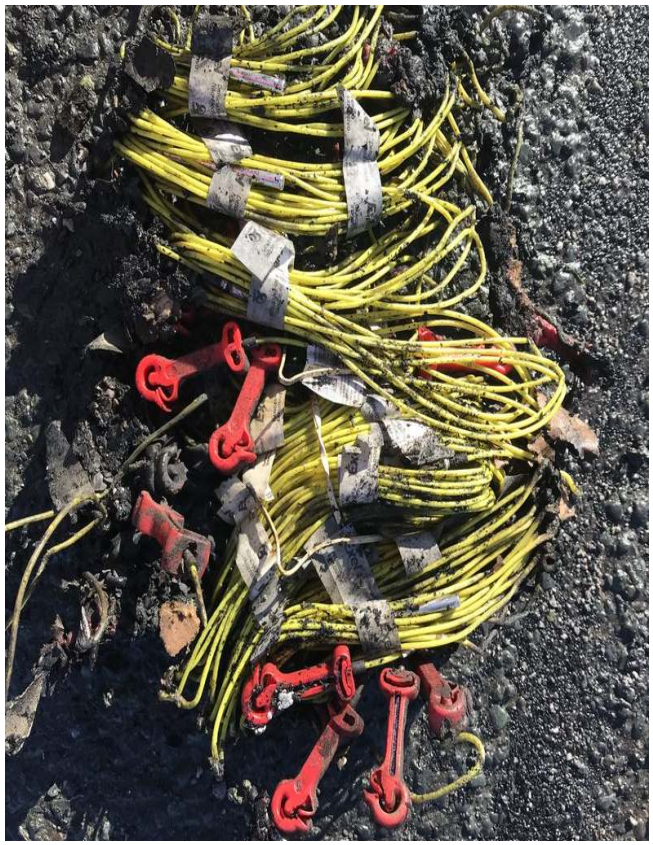
Orica Truck Accident – Havelock, Ontario, Canada Sept 16, 2021

It is estimated that about half of the detonators exploded in the fire.

Many assemblies were melted into large clumps that made it impossible to count the exact number.

There were four or five of these large melted clumps.





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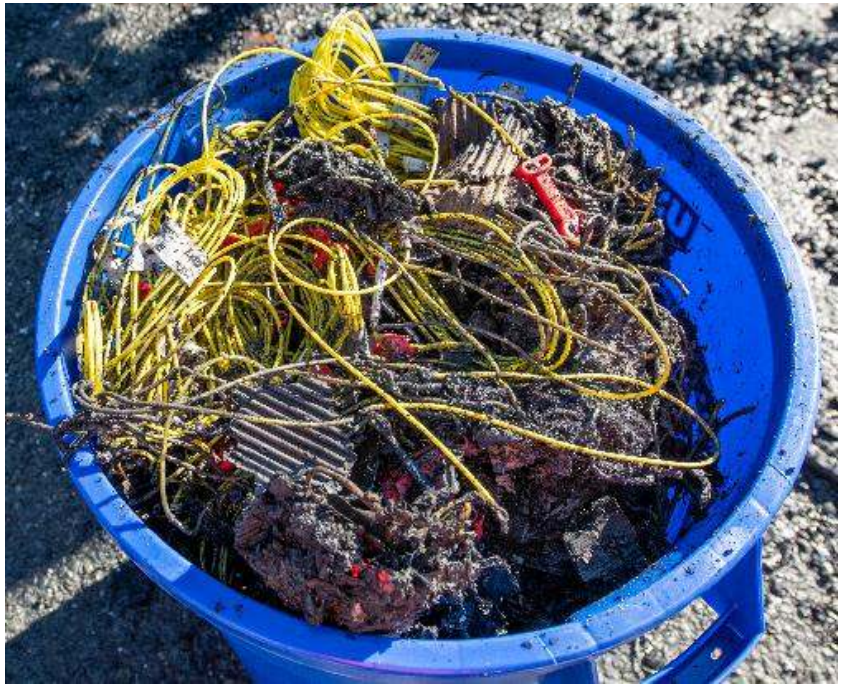
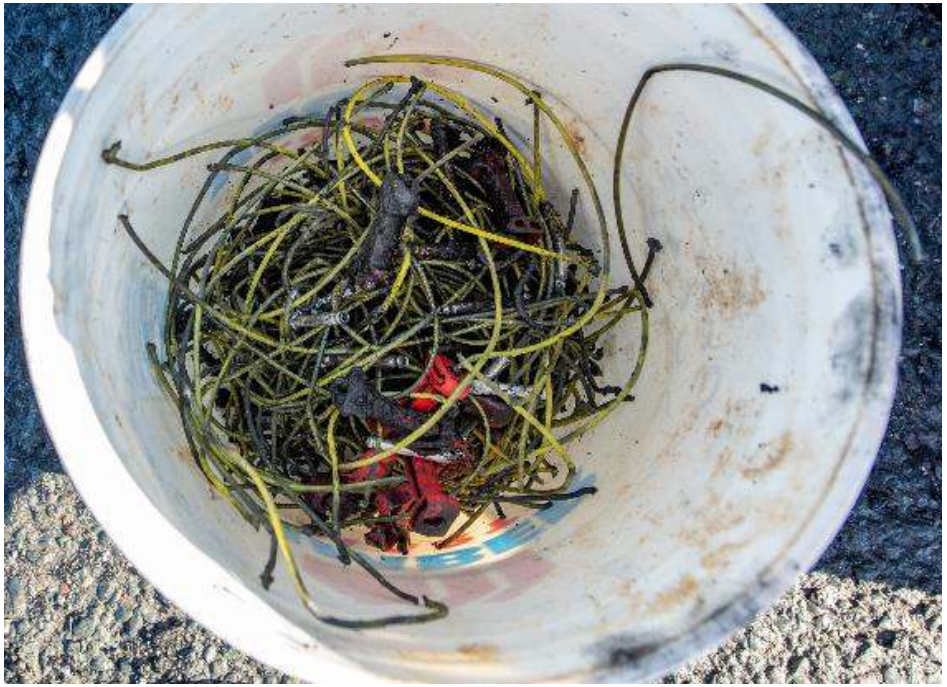
Safety Share

Orica Truck Accident – Havelock, Ontario, Canada Sept 16, 2021

The detonator assemblies were collected into six plastic garbage bins that were then moved to Orica's Madoc site about 35 km from the accident location.
There was no accumulation of explosive mixed with the detonators.





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Safety Share

Orica Truck Accident – Havelock, Ontario, Canada Sept 16, 2021

- An initial conference call was held at noon on Friday, Sept 17th to discuss options on how to properly destroy the unfired detonators.
- It would be difficult and possibly dangerous to cut the detonators off of the shock tube because a number of the detonators were embedded in the melted clumps. As well, multiple surface detonators had the connector melted onto the detonator.
- It was determined, although not authorized in the BOS for routine destruction, that the best and safest option was to burn the detonator assemblies in the enclosed burn tank at Orica's Madoc site.
- All detonators would be destroyed as long as they were subjected to a sustained hot fire.
- This option also avoided the need for further transportation of the damaged detonator assemblies to Brownsburg, which posed difficulties in getting transportation approvals and might have potential safety risks.

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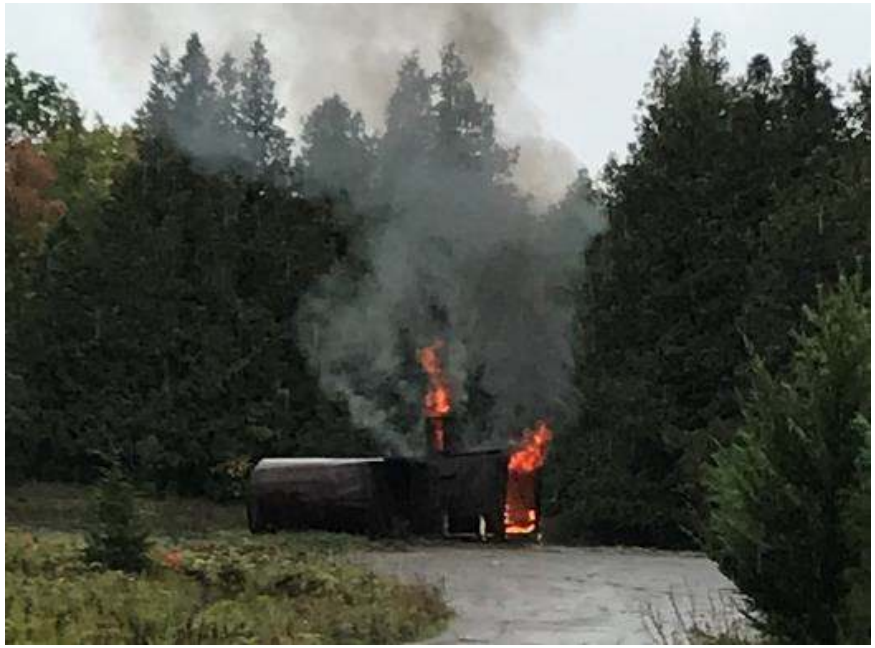
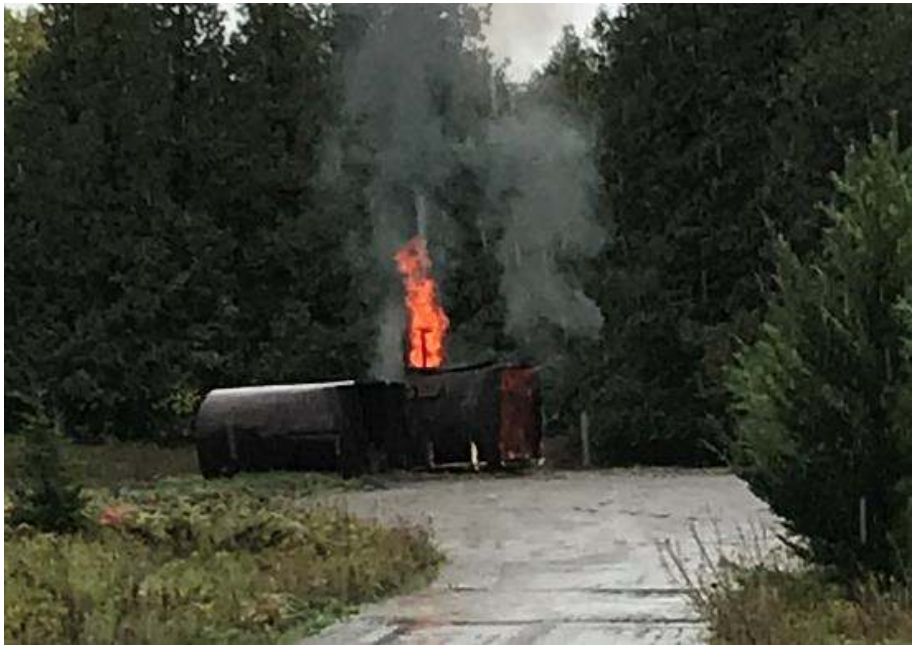
Safety Share

Orica Truck Accident – Havelock, Ontario, Canada Sept 16, 2021

All the product was destroyed in three burns over three days from Sept 22 to 24.
Most detonators fired between 4 and 10 minutes after the fire was started. The hot fire continued for about 30 minutes.



10 minutes after start of fire



15 minutes after start of burn

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The burn tank was checked the following morning, about 21 hours after the fire had been started the previous day.

All plastic components and wood were completely burned.

Only ash and fired detonator remnants remained.

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