



U. S. Steel Canada Inc.

# Hamilton Works Community Liaison Committee

*27 October 2015*

Trevor Harris  
Andrew Sebestyen



## Agenda

- 1. Welcome and Safety Contact***
- 2. Review and Approval of Agenda***
- 3. Review and Approval of Minutes of 18 February 2015***
- 4. Performance under O.Reg. 419/05 Site Specific Standard Order - Particulates***
- 5. EBR Posting for comment - Site Specific Standard – Benzene and B[a]P***
- 6. Environmental Updates***
- 7. Community Concerns***
- 8. In-camera Discussion***
- 9. Adjournment***



# Safety Contact

## Safety Values

- “Safety First” is a Core Value at U. S. Steel.
- We believe that ALL incidents and injuries can be prevented.
- Safety is a personal responsibility. Management is accountable for results.
- Employee engagement and training is essential.
- Hazardous exposures can be eliminated or safeguarded.
- Prevention of incidents and injuries is the right thing to do and is good business.



**United States Steel Corporation**



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## *Performance under O.Reg. 419/05 Site Specific Standard Order - Particulates*

### Daily Observations - #7 Coke Battery

Date	Doors (% Leaks)	Lids (% Leaks)	Off-takes (% Leaks)
<b>2015 Limits (July 2 start)</b>	<b>54%</b>	<b>2%</b>	<b>NA</b>
2016 Limits	32%	2%	NA
2017-2019 Limits	10%	2%	5
2020 Limits	5%	1%	4
<b>July 2 – Oct. 25, 2015 Actual Range</b>	<b>0 – 5.43% (Average = 0.70%)</b>	<b>0 – 1.56% (Average = 0.28%)</b>	<b>0 – 5.13 (Average = 1.15%)</b>

### Daily Measurements Performed:

- All weekdays, except for **holidays**
- **10 Saturdays (Ytd = 3) and 10 Sundays (Ytd = 2)**

### E.g., of Operational Adjustments required:

- Doors – **Fix door seals, replace door frames, replace doors**
- Lids – **Lute the lid, clean lid and charge hole circumference (auto rotate)**
- Offtakes – **Maintain water seal, apply sealant, clean cap, replace unit**



## *Performance under O.Reg. 419/05 Site Specific Standard Order - Particulates*

### 30-Day Rolling Averages - #7 Coke Battery

Date	Doors (% Leaks)	Lids (% Leaks)	Off-takes (% Leaks)	Charging (sec) (log avg)
<b>2015 Limits (July 2 start)</b>	<b>38%</b>	<b>0.8%</b>	<b>25%</b>	<b>12 sec</b>
2016 Limits	22.5%	0.8%	15%	12 s
2017-2019 Limits	7%	0.8%	4.2%	12 s
2020 Limits	4%	0.4%	2.5%	12 s
<b>Q3 2015 Actual</b> - Range - Q3 Avg.	<b>0.61 – 0.99%</b> <b>0.79%</b>	<b>0.22 – 0.36%</b> <b>0.29%</b>	<b>0.89 – 1.59%</b> <b>1.24%</b>	<b>0.99 – 1.49%</b> <b>1.18%</b>

Performance:

- Doors
- Lids
- Offtakes
- Charging





## ***Performance under O.Reg. 419/05 Site Specific Standard Order - Particulates***

### Daily Observations – Pushing - #7 Coke Battery

Date	Pushing Emission (opacity %)
2015 Limit (July 2 start)	≥ 50%
2016 – 2018	≥ 50%
2019	≥ 40%
2020	≥ 30%
<b>Q3 2015 Actual</b> - Range - Q3 Avg.	<b>0 - 50%</b> <b>11.32%</b>

All required measurements were performed with the exception of **2 days due to planned Battery downturn and 2 days due to mogul repair delays.**

Operational Adjustments were completed:

- Operational Adjustments focused on **review coking time, Battery temperature and baghouse condition, flues cleaning**
- **No oven was removed from service due to pushing issues**



## ***Performance under O.Reg. 419/05 Site Specific Standard Order - Particulates***

### Complaints:

1 complaint – August 1, 2015

- black emissions from quench tower





## ***Performance under O.Reg. 419/05 Site Specific Standard Order - Particulates***

### Complaints:

1 complaint – August 1, 2015

- black emissions from quench tower

### Cause:

- green coke (primary)
- maintenance of quench tower (secondary)

### Corrective Actions:

- ensure proper heating of oven – cleaning of flues
- replacement of baffle sprays (completed Sept. 16, 2015)



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## ***EBR Posting for comment - Site Specific Standard – Benzene and B[a]P***

EBR Posting: 012-4683

- open for comments until Dec. 14, 2015

Benzo[a]Pyrene

- controls are similar to the SSS - Particulates
- B[a]P is attached to particulates
- controlled by visible emission observations limits



## ***EBR Posting for comment - Site Specific Standard – Benzene and B[a]P***

### Benzene

- emission controls on remaining identified sources:
  - Tar S – tar storage;
  - Tar L – tar loading;
  - DAC – dissolved air clarifier; and
  - EALT – excess ammonia liquor storage tank.
- expansion of the Leak Detection and Repair program
- identification of other sources of fugitive benzene emissions



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## ***Environmental Updates***

Environmental Performance Agreement





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## Adjournment

**Thank You For Your  
Time and Commitment to  
the Hamilton Works  
Community Liaison Committee**



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