

BC Ops Fluoride Emissions Task Force

Weekly Update #4

As of October 19, the Gaseous Fluoride Emission Indicator was **RED**
 Non-compliance situation

- L1-2 exception = 15% slight increase
- L3-5 exception = 24% slight decrease
- L7-8 exception = 14% slight increase

Plant Exception: 19% No Change
Target: 10%

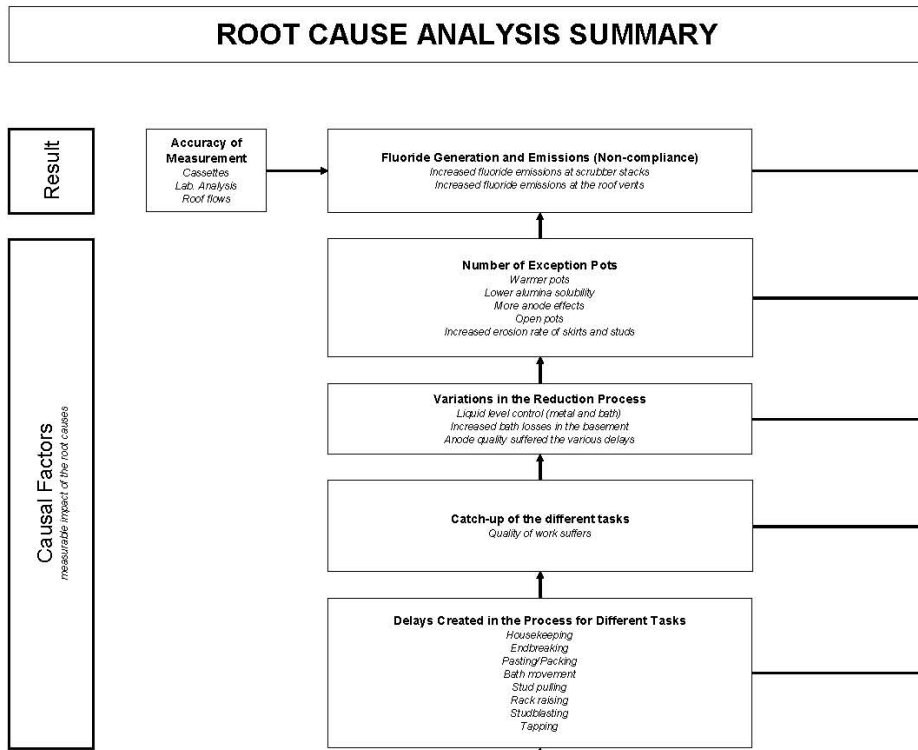


Permit Level: 50 t Fg/month

The BC Operations Fluoride Emissions Task Force has completed the analysis phase of the 'Define Measure Analyze Improve Control' (DMAIC) approach and is able to communicate the essence of their analysis. The investigation that was conducted included the following five steps:

1. A Root Tree Analysis was completed, which includes more than 250 possible 'reasons' that may contribute to fluoride emissions non compliance.
2. The 'reasons' for non compliance were then prioritized by a survey and grouped together.
3. A summary map was designed to present an 80/20 high level root cause identification.
4. A report was written to support the data findings.
5. From there, the critical opportunities were identified.

Critical Opportunities – the Five Why's



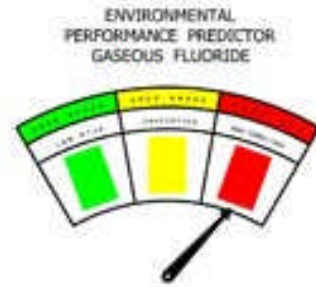
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Improve Process

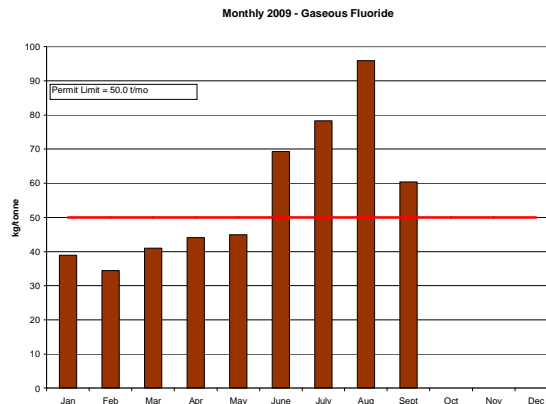
To improve and control fluoride emissions the Task Force has recommended that the BC Operations Management Team implement Rio Tinto Alcan's corporate strategy Lean IPT (Improving Performance Together) in Reduction Operations and phased in to other organizations accordingly. Lean IPT principles, along with working together and by using visual aids, supported by Black Belt initiatives will help to address the critical opportunities that have been identified, as follows:

1. Decisions will be based on a long-term philosophy to address emissions non compliances;
2. Improve standardized tasks for employees and supervisors;
3. Level out uneven workloads by refocusing the organization on process requirements;
4. Improve hot metal flow between Reduction and Casting;
5. Incorporate visual aids so that employees and supervisors can identify problem areas and discuss how to improve and control the process – the Lean IPT strategy.

Employees may recall, Ingot Spot News Volume 56, No. 17, was issued on August 14, 2009, which announced the launch of Lean IPT at the Anode Paste Plant and Coke Calcining areas, and that Lean IPT would be rolled out in a phased manner to other organizations across the plant.

September Emission Results

The emission results for September show that while we are still non compliant, there was a 30% improvement compared to August, primarily due to Lines 1&2 which showed a slight decrease in exception pots and because of less variation in the process.



Team Leader: Frederic Picard
 Communication Steering Committee: Colleen Nyce

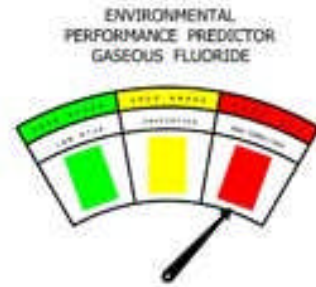
Editor: Cathie Stevens

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Your Feedback is Valuable

This dedicated team cannot do it alone; they will need all employees to support, to offer helpful suggestions and to provide feedback. Please get involved by offering your feedback and suggestions, or if you need more information, have questions, check out:

Emissions Hotline	Direct dial 250 639 8788 or in plant 8788
Email your suggestions	Cathie.stevens@riotinto.com and your question will be re-directed to the appropriate person to respond to your question(s).
Review external web site for newsletter	www.riotintoalcaninbc.com
Review Prospect Portal for newsletter	http://prospect.riotinto.org/irj/portal
Review RTA-BC eRoom for newsletter	http://eroom.riotinto.com/eRoom1/eRoom
Read this Newsletter	Published every Tuesday via internal Outlook email to all employees