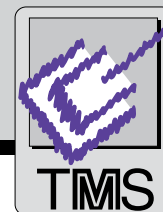


TMS 2012 Industrial Aluminum Electrolysis

September 9-14, 2012 • Chicoutimi, Quebec, Canada



Course Schedule

Sunday September 9, 2012

17:00 – 18:00	Introduction to the Aluminum Electrolysis Process	Halvor Kvande
18:00 – 20:00	Welcome Reception at the Hotel	All

Monday September 10, 2012

Time	Title of Presentation	Presenter
7:30 - 8:00	Registration	
8:00 - 8:15	Welcome and Opening of the Course	Halvor Kvande
8:15 - 8:45	01: Electrical Safety in Potrooms	Vinko Potocnik
8:45 - 9:45	02: Cell Energy Input and Its Utilization Part 1 Electrochemistry and Cell Voltage Components	Barry Welch
9:45 - 10:00	Break	
10:00 - 11:00	03: Electrolyte Compositions for Aluminum Production	Halvor Kvande
11:00 - 11:30	04: Cell Energy Input and Its Utilization – Part 2	Barry Welch
11:30 - 12:00	05: Pot Control	Gary Tarcy
12:00 - 13:00	Lunch	
13:00 - 13:30	05: Pot Control (continued)	Gary Tarcy
13:30 - 15:00	06: Heat Balance Fundamentals	Halvor Kvande
15:00 - 15:15	Break	
15:15 - 15:45	06: Heat Balance Fundamentals (continued)	Halvor Kvande
15:45 - 16:30	Group Work on Heat Balance	Halvor Kvande

Tuesday September 11, 2012

Time	Title of Presentation	Presenter
8:00 - 9:00	07: Crust and Alumina Powder Dissolution and Cell Feeding	Barry Welch
9:00 - 9:45	08: Impact of Alumina Properties on Pot Operations	Steve Lindsay
9:45 - 10:00	Break	
10:00 - 11:00	09: Understanding the Variability and Control of Temperature and Aluminum Fluoride	Barry Welch
11:00 - 12:00	10: Aluminum Fluoride Variations and Control	Barry Welch
12:00 - 13:00	Lunch	
13:00 - 14:00	11: Diagnosis and Correction of Problem Pots	Gary Tarcy
14:00 - 15:00	12: Diagnostics	Alton Tabereaux
15:00 - 15:15	Break	
15:15 - 15:45	12: Diagnostics (continued)	Alton Tabereaux
15:45 - 16:30	Group Work on Problem Pots	Alton Tabereaux/Gary Tarcy

Wednesday September 12, 2012

Time	Title of Presentation	Presenter
8:00 - 9:15	13: Current Efficiency Theory and Practices for Continuous Improvement	Gary Tarcy
9:15 - 10:00	14: Measurement Techniques for Pot Analysis	Vinko Potocnik
10:00 - 10:15	Break	
10:15 - 11:00	15: Preheat, Start and Early Operation	Halvor Kvande
11:00 - 12:15	16: Measures to Control Metal Purity in Prebake Reduction Cells	Stephen Lindsay
12:15 - 13:00	Lunch	
13:00 -	Plant Tour to the RTA Grande Baie Smelter	All

Thursday September 13, 2012

Time	Title of Presentation	Presenter
8:00 - 9:00	17: Reduction Cell Busbars at Increased Amperage	Vinko Potocnik
9:00 - 9:45	18: Anode Cover	Steve Lindsay
9:45 - 10:00	Break	
10:00 - 11:30	19: Anodes in Cells - Part 1 Their Reactions and Consumption	Barry Welch
11:30 - 12:00	20: Anode Effect Mechanism and Emission Rates	Alton Tabereaux
12:00 - 13:00	Lunch	
13:00 - 14:00	19: Anodes in Cells (continued)	Barry Welch
14:00 - 15:00	21: Fluoride Emissions Control	Steve Lindsay
15:00 - 15:15	Break	
15:15 - 16:15	22: Cell Shutdown and Restart	Alton Tabereaux
18:00 - 22:00	Graduation Dinner (Restaurant La Cuisine)	All

Friday September 14, 2012

Time	Title of Presentation	Presenter
8:00 - 8:45	23: Measures to Manage Pot Complement	Steve Lindsay
8:45 - 9:45	24: The Greatest Inventions in Aluminium Production in the 20th Century	Halvor Kvande
9:45 - 10:00	Break	
10:00 - 11:30	Practical Cell Operational Problems - Questions from the Participants, Discussion and Sharing of Experiences	All
11:30 - 12:00	Summary of the Course – Did You Learn Something Useful?	Halvor Kvande
12:00 - 13:00	Lunch	