

Anode Paste Plant Operator

MAIN RESPONSIBILITIES

Deal with fabrication of green anodes by monitoring the various systems in order to meet reduction needs in both quantity and quality.

TOOLS AND EQUIPMENT

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|------------------------|-----------------------------------|--|
| - Dust collectors | - Overhead chain conveyors | - Alignment station |
| - Electric hoists | - Pumps | - Buckets |
| - Dump truck | - Analyzer-mixer (Gradex air jet) | - Bagging station |
| - Lift truck | - Condenser | - Ejection system |
| - Electric truck | - Disk feeders | - Feed table |
| - Tennant sweeper | - Rotary valves | - Preheater |
| - Pallet truck | - Mixing boxes | - Separator and magnetic pulley |
| - Overhead crane | - Roller breakers | - Tanks |
| - Pitch fume scrubbers | - Ball mill | - Silos |
| - Vibrating sieves | - Bucket elevators | - Cooling tower |
| - Roller conveyors | - Dense phase & lean phase system | - Vibro-compactor |
| - Belt conveyors | - Cradle | - Green Scrap system |
| - Screw conveyors | - Transfer station | - Winch |
| - Vibrating conveyors | - Blowing Station | - Various tools |
| | | - Software : Lotus Notes, Maximo and Khronos time-keeping system |

Potline Operator

MAIN RESPONSIBILITIES

Ensure optimal production of aluminum by operating a potline in order to provide the casting center with hot metal. Transfer PTA, TMA or other reduction crane using transfer gantry.

TOOLS AND EQUIPMENT

- Alpsys Micro-Pot and ipot
- Pot chart
- Forklift
- Multipurpose truck (MECFOR) tow, traditional and rotary
- ATV (anode transport vehicle)
- Tennant sweeper
- Electric truck (Motrec),
- Pot tending assembly (PTA)
- Miscellaneous and tapping assembly (TMA)
- Lifting beam for metal tapping
- Tilting table
- ABRF (anode bean raising frame)
- Transfer gantry
- Mobile girders and retractable bumpers
- Measuring device such as PML (portable measurement logger) and microflex
- Probes for measuring devices
- Voltmeter
- Infrared pyrometer
- Pneumatic tools
- Bath and metal sampling tools
- Ladles
- Scrapers
- Divers slings (CAFD, slabs, etc.)
- Cart for blowers
- Bath temperature probe and measuring device
- Anode connectors
- Superstructure ladder
- Emergency carts
- CAFD cassettes or trailer
- Mobile platform
- Storable platform
- Rolling ladder
- Bath and metal measurement gauge
- Sampling box
- Hoses
- Aluminum trifluoride hoppers
- Pots
- Crucible ejectors
- Wedge launder and extractor
- Divers small tools (ratchet, broom, etc)
- Software: Outlook, RTBS, Chronos time-keeping system
- Pick-up trucks

Process Control Operator

MAIN RESPONSIBILITIES

Ensure optimal production of aluminum by operating a potline in order to supply hot metal to the casting centre. Ensure the AP40 cells are maintained in optimum operating condition. Maintain bath level within established criteria by calculating the amount of bath to be added or removed to allow optimum pot performance.

TOOLS AND EQUIPMENT

- Alpsys – Micropot and ipot
- Pot chart
- Forklift
- Bath tapping vehicle
- Tap hole tending vehicle
- Tennant sweepers
- Electric truck (Motrec),
- Multipurpose truck (MECFOR) tow, traditional and rotary
- Electric truck with launder (Motrec)
- Pot tending assembly (PTA)
- Miscellaneous and tapping assembly (TMA)
- Titrating table
- Transfer gantry
- Mobile girders and retractable bumpers
- Measuring device such as portable measurement logger (PML) and microflex
- Probes for measuring devices,
- Voltmeter
- Infrared pyrometer
- Pneumatic tools
- Bath and metal sampling tools
- Ladles
- Bath crucible
- Scrapers
- Drivers slings (CAFD, slabs, etc.)
- CAFD cassettes or trailer
- Mobile platform
- Storable platform
- Bath and metal measuring gauge
- Sampling box
- Hoses
- Bath Sows
- Wedge launcher and wedge extractor
- Divers small tools (ratchet, broom, etc.)
- Pots
- Software : Outlook, RTBS, Khronos time-keeping system

Sheet Operator

MAIN RESPONSIBILITIES

Part of a team producing remelt and fabrication of ingot. This includes hot metal transportation; treatment; furnace batching; metal preparation; casting; sawing; packaging and shipping; preparation, set up and minor repair on casting and related equipment.

TOOLS AND EQUIPMENT

- Molds
- Small tool kit
- Skim poles
- Rakes
- Remote crane
- Chain slings
- Furnaces
- Troughs
- Basins
- Forklift
- Ovens
- Forklift charger
- LIMCA
- Saw
- Strapper
- Overhead Cranes
- Casting machines
- Scale
- Alloy charger
- Impact wrench
- Chisel
- Air chisel
- Jackhammer
- Broom
- Shovel

Wharf Operators

MAIN RESPONSIBILITIES

Transports finished product from cast house to port and rail yards. Stores metal for shipment. Operates cranes, trucks, dump trucks. Operates heavy equipment related to the unloading for bulk materials. Stows finished product in ships holds. Check metal for minor damages. Performs snow clearing and applies salt and sand as required.

TOOLS AND EQUIPMENT

- 20T air break forklift
- Forklift
- Dump Truck
- Sweeper
- Water hose
- Small hand tools
- Rail cars
- Pliers
- Vacuum ship unloader
- Mobile hopper
- Radios
- Unitizing machines
- Strapping Tools
- Conveyors
- Ships cranes
- Port cranes
- Super pack vehicle
- Port Straddle carrier
- Rail cars and rail car moves
- Front end loader