



# SNOW REMOVAL

The Airfield Maintenance teams at John Glenn Columbus International (CMH) and Rickenbacker International (LCK) airports are responsible for removing snow and ice from pavement within the fence line. This includes:

- CMH: Two runways, taxiways, apron, vehicle gates, Aircraft Rescue and Fire Fighting (ARFF) area
- LCK: Taxiways and runways
- Snow on public roadways and associated sidewalks are removed by contractors, who use their own equipment

Training begins each year in mid-October. During a snow event, teams of about 25 people each are prepared to work in shifts, rotating every 12 hours as needed. Teams are activated after considering weather reports and runway conditions.

## **Bolton Field**

CRAA's fixed-base operations, Bolton Aviation removes the snow at Bolton Field Airport (TZR).

## **Chemicals used in the snow removal process**

- Runways, taxiways and aprons: Potassium acetate, sodium formate and sand (no salt)
- Public roadways and parking areas: Salt

## **Other snow removal facts**

- Airlines are responsible for deicing their own planes, many contract this service with Lane Aviation at CMH
- Runways and associated taxiways are closed alternately for snow removal; major equipment used includes multi-function, snow brooms, plows, deicer trucks and more
- Flight delays/cancellations are almost always due to weather conditions
- Generally, ice is trickier than snow
- Salt is not used anywhere inside the fence line



## Major equipment used on airfield for snow removal

- **Multi-functions**
  - 24-foot plow with a 22-foot broom
- **Front Mounted Brooms**
  - Used on all airfield surfaces (runways, taxiways, apron)
  - 16-18-foot broom heads
- **Snow blowers**
  - 7,500 tons/hr. at CMH and around 5,000 tons/hr. at LCK)
- **Oshkosh snowplows**
  - 24-22-foot plow with sand spreaders
  - Bigger than what you see on a roadway
- **Deicer trucks**
  - Typically used only on runways
  - Each holds 2,000-5,000 gallons of potassium acetate (runway de-ice chemical)
- **Dump trucks**
  - Used to haul snow to remote dump areas off of airfield
  - Also used to spread salt onto public roadways

- **Loaders**
  - Used to load snow into trucks for removal to remote locations
  - To load material salt sand and solid chemical
  - With a ramp hog (a snow pusher) on the ramp
- **Backhoe and skid steer**
  - Used for loading salt, sand and solid runway deicer (sodium formate)

## Equipment used for roadways

- **Five ¾- ton pickup trucks**
  - Used around air carrier gates
  - 7 ½ foot plows with sand spreaders
- **Two dump trucks with V-bed spreaders**
  - Used to spread solid deicer (sodium formate) on the airfield pavements

## Equipment used for sidewalks

- **Shovels, brooms, walk-behind snow blowers, chemical spreaders**

