

## **Appendix J2**

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### **Cyanide Information Brochure**

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## HEALTH & SAFETY

Meadowbank's Health and Safety Department complete daily checks on Cyanide use at the mill using specialized equipment and detectors.

Meadowbank's Emergency Response Team (ERT) holds weekly practices to ensure quick response to any accidents. The ERT team is highly trained in firefighting, mine rescue and first aid.



## ENVIRONMENT

Meadowbank's Environment Department completes frequent environmental inspections water sampling to check for any Cyanide contamination.

Inspections and water sampling are conducted at storage areas, mill, and water areas around the mine site to check for Cyanide levels. There are currently no water bodies in the area affected by Cyanide contamination.

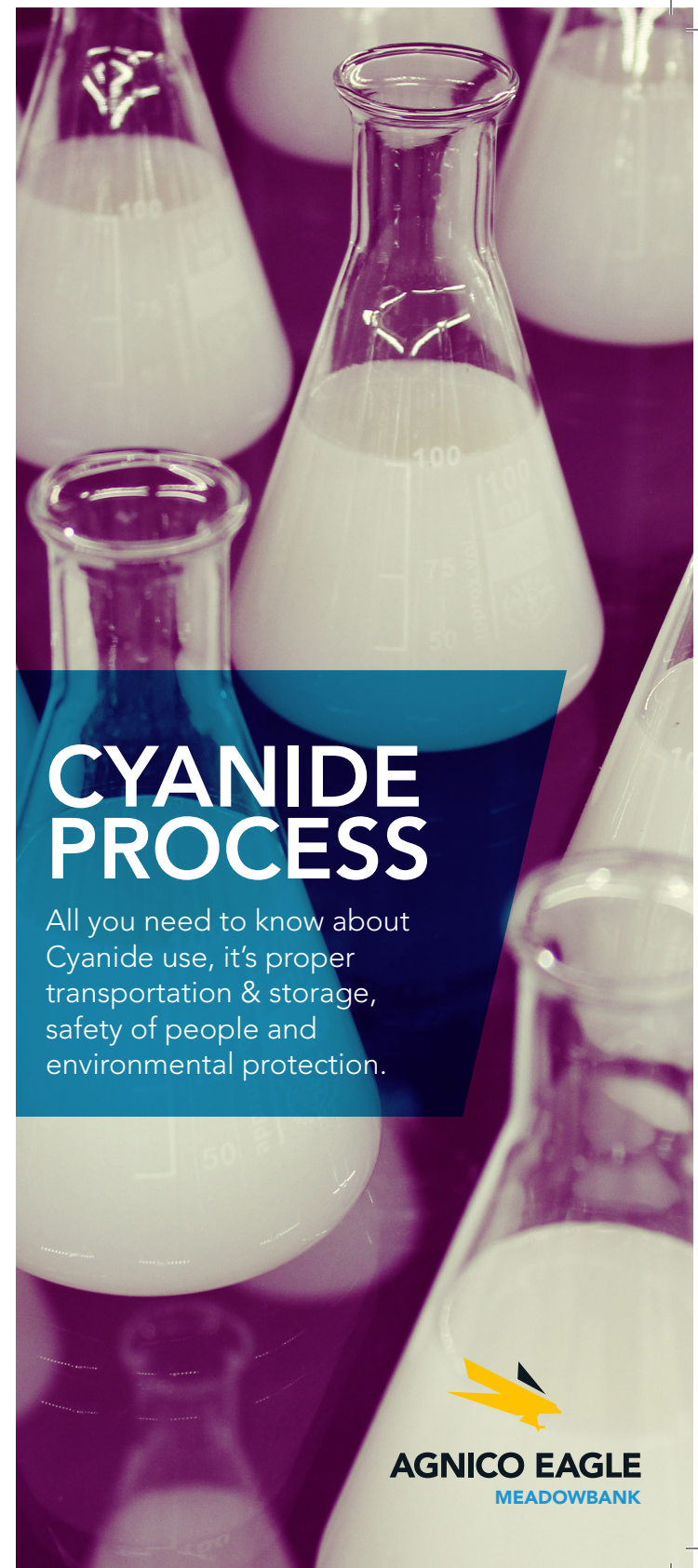
# INTERNATIONAL CYANIDE MANAGEMENT

Agnico Eagle Mines (AEM) Meadowbank Division is a signatory to the International Cyanide Management Code (ICMC). The objective of the Cyanide Code to ensure the:

- proper shipping, handling and storage of Cyanide;
- safety of workers and people; and
- protection of the environment

Agnico Eagle is monitored and audited to ensure that it complies with rules and requirements of the ICMC. For more information on the ICMC visit [www.cyanidecode.org](http://www.cyanidecode.org)

In 2015, Meadowbank Mine and our shipping suppliers met the requirements of the ICMC and were certified.



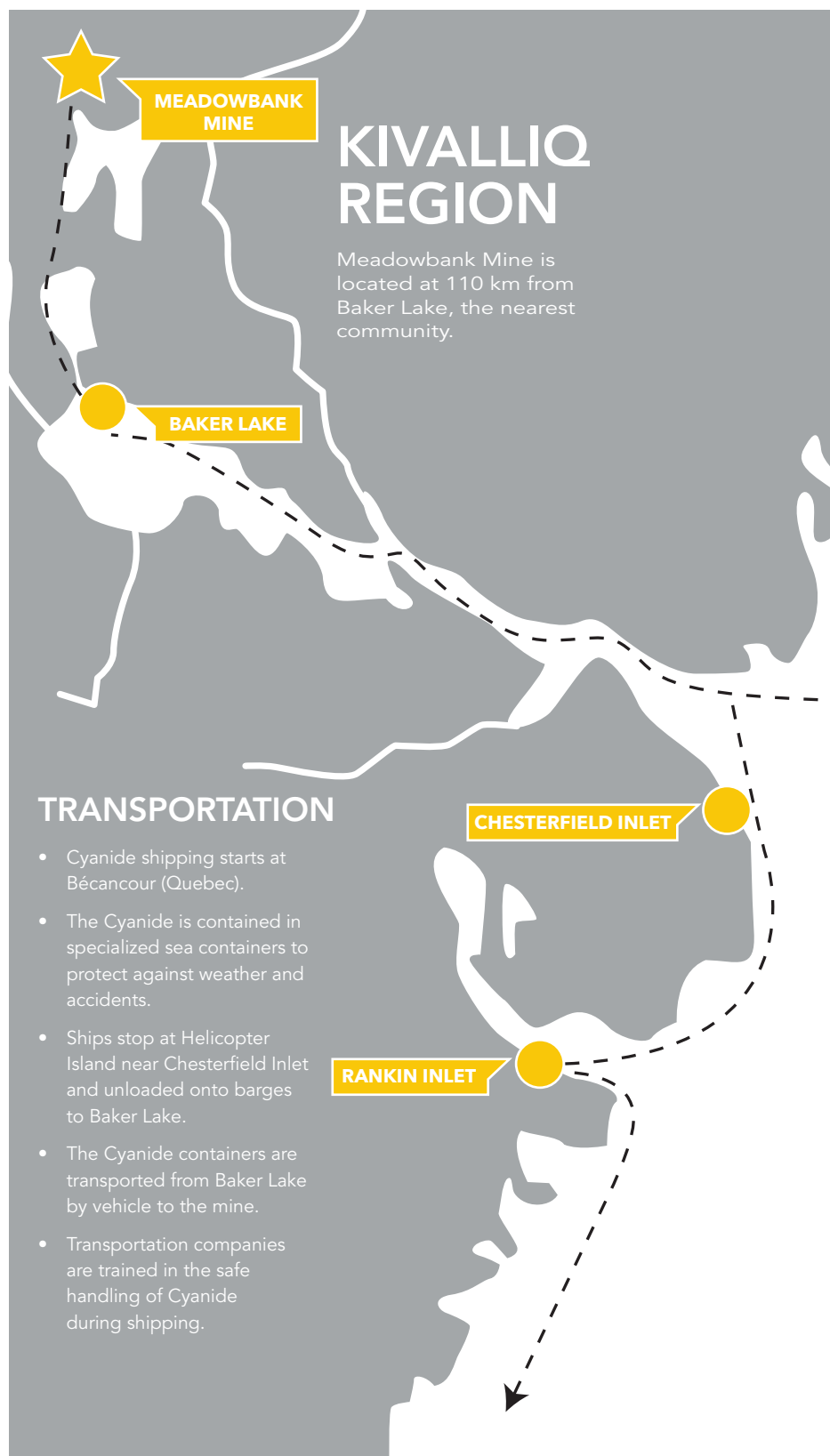
# CYANIDE PROCESS

All you need to know about Cyanide use, it's proper transportation & storage, safety of people and environmental protection.



DOCKET:		COLOUR:	PROCESS - CMYK	DATE:	AUG / 20 / 15
CLIENT:	AGNICO EAGLE MINES NUNAVUT	SIZE:	8.5" X 11" (TRIFOLD)	TIME:	11:22 AM
PROJECT:	BROCHURE	PROOF:	6	REVISION:	1
OUTCROP   SUITE 800   4920-52 STREET   YELLOWKNIFE   NT   X1A 1E8   T. 867.766.6700   F. 867.873.2844				ACCOUNT:	JEN HAYWARD

CREATIVE DIRECTOR:



## CYANIDE USE PROCESS

Cyanide is used to extract gold. A common industry practice.

Cyanide is mixed with water and mined gold ore from the pits to make thick slurry.

Cyanide separates gold out of slurry.

The slurry passes through carbon filters to separate the gold from the slurry.

The gold is sent to the refinery and is made into gold bars.

The Slurry is sent back to the mill and the Cyanide is destroyed.

After the Cyanide is destroyed, the slurry is sent to the tailings pond for final storage.

The tailings pond is monitored daily by environmental and engineering departments.

## STORAGE



Specialized Cyanide containers are stored on pads that have been constructed to ensure safe storage and handling.

Cyanide storage pads are in separate areas to ensure safe containment. Storage areas are environmentally inspected and monitored.

## MILL PROCESS



Only highly trained and specialized Mill operators are allowed to prepare Cyanide for use in the milling process.

Each Mill operator must complete specific training to ensure the safe handling of the Cyanide. Mill operators are fitted with protective clothing and equipment to ensure their safety while handling chemicals.