

DEPARTMENT	OPERATING AREA
Environmental	Morenci
DOCUMENT NO.	DOCUMENT TITLE
BMP 210	Lower Chase Creek Intercept Well Operational Parameters

**Purpose and Scope:**

Land and Water Department manages the intercept well system in Lower Chase Creek (LCC) while the Hydromet Division operates the intercept well system. The following are operational processes implemented based on field conditions.

**Definitions:**

Monitoring well – groundwater wells used for observing groundwater levels and flow conditions, obtaining samples for determining groundwater quality, and for evaluating hydraulic properties of water-bearing strata.

Interceptor well – groundwater wells used to intercept ground water that has been contaminated..

**Responsible Parties:**

Land and Water Manager

Hydromet

Environmental Services Department

**Specialized Tools/Skills/Training:**

Corporate Environmental Significant Risks:

-Catastrophic or Chronic Release to Groundwater

Central SXEW & Powerhouse control room operator personnel shall at least have access to this BMP.

**Procedure:**

The LCC Intercept wells should be operated as follows

- Wells CC 25 or CC 37-One of these wells must operate at all times for environmental purposes to contain and evacuate subsurface flow; the other well that is not running will remain in reserve as back-up.
  - Example: If well CC 37 is continuously operated for 8,760 hours, then well CC 25 would not be operated unless well CC 37 goes down.
- Wells CC 39 and CC 40B-Only one of these wells either CC 39 or CC 40B may be operated at one time and only when Hydromet Division needs make-up water. These wells should only be operated for the short term to fulfill Hydromet's make-up water needs.
  - NOTE: Well CC 39 and 40B? should only run if the CC 25 or 37 is running.

**Well Maintenance**

A well that has been shut down for an extended period should be operated periodically to ensure the well is functional; however, a well being checked for functionality should not be operated for more than 15 minutes.

**Records:****QUESTIONS OR NEED HELP?**

Contact your Environmental Representative or Environmental Services at (928) 865-6000

Document Owner: Environmental Personnel

Review Cycle: As Needed

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11/9/2022	1	Updated template	KRK	KRK
6/2/2025	2	Updated Definitions and format	SS	DG