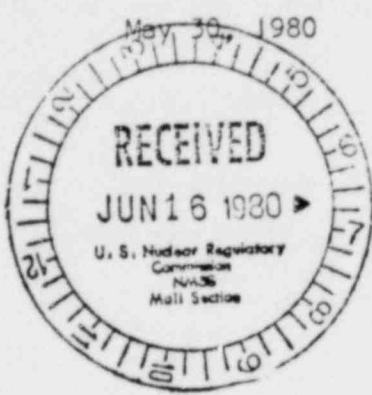




ROCKY MOUNTAIN ENERGY COMPANY

Mr. J. E. Rothfleisch
U.S. NUCLEAR REGULATORY COMMISSION
Uranium Recovery Licensing Branch
Willste Building
7915 Eastern Avenue
Silver Springs, MD 20910



Dear Mr. Rothfleisch:

RE: License No. SUA-1228 (Nine Mile Lake);
Amendment Request of March 31, 1980

Pursuant to our telephone conversation of May 28, 1980, this letter is being sent to correct the oversights and omissions in the Amendment Request referenced above.

As you assumed, RMEC does intend to use an oxidant with the carbonate lixiviant. Initially, hydrogen peroxide will be added to the lixiviant at a rate of about 0.5 g/l prior to reinjection into the wellfield. Oxygen will also be tested as an oxidant. Attachment A (Figure 1) shows oxidant addition following the filtration step prior to reinjection.

Figure 5 of the Amendment Request (Attachment B to this letter) has also been revised to show the reverse osmosis brine stream going directly to the evaporation reservoir rather than to a dewatering step as was incorrectly shown in the Amendment Request.

Also, enclosed as Attachment C, is revised Figure 6 which shows the Pattern IV location as installed. The Pattern was moved to the new location in order to meet the minimum ore grade thickness (GT) criterion required for a valid carbonate leaching test.

Three corrections to the text have also been made, as noted below (corrections are underlined).

- 1. Line 2 of paragraph 1 on page 10 should be changed to read, "Pattern IV monitor wells will be located approximately 200 feet from the Pattern boundary, and at approximately right angles to one another with respect to the production well."

FEE EXEMPT

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Mr. J. E. Rothfleisch
May 30, 1980
Page Two

2. Line 6 of paragraph 1 on page 11 should be changed to read, "The control limits will be determined by taking the wellfield average for each parameter (\bar{x}), adding two standard deviations (S) plus 10%. Thus the formula reads:

$$\begin{aligned}\text{Upper Control Limit (UCL)} &= \bar{x} + 2(S) + 10\% \\ \text{Lower Control Limit (LCL)} &= \bar{x} + 2(S) - 10\%\end{aligned}$$

This method of determining control limits has been used in the past at Nine Mile Lake, and has proven to be effective both in determining control limits and detecting excursions."

3. Line 2 of paragraph 3 on page 13 should read, "The distance from the production well to the injection wells will be fifty feet.

These corrections serve to modify the Amendment Request so that it accurately describes the carbonate test pattern and the carbonate process.

Should you have any questions, please give me a call at the Nine Mile Lake Project.

Sincerely,

Michael R. Neumann

M. R. Neumann
Field Environmental Coordinator

MRN/ph
Attachments

cc: Russ Hynes
Kent Loest
Rick Iwanicke
Peter Bosse
Larry Earnshaw

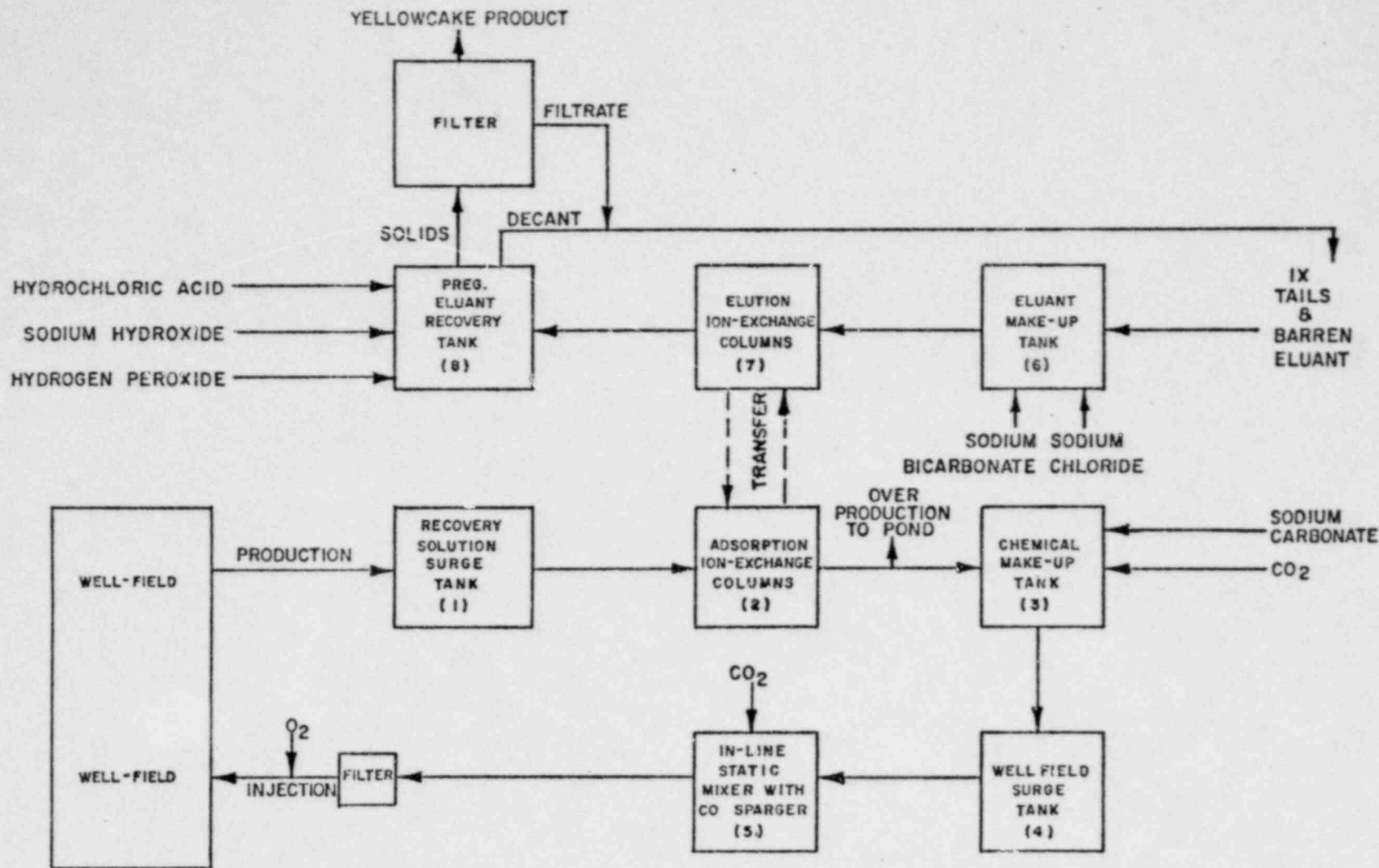


FIGURE I

CARBONATE PROCESS, ABSORPTION & ELUTION

NML-P-05-001
MARCH 26, 1980

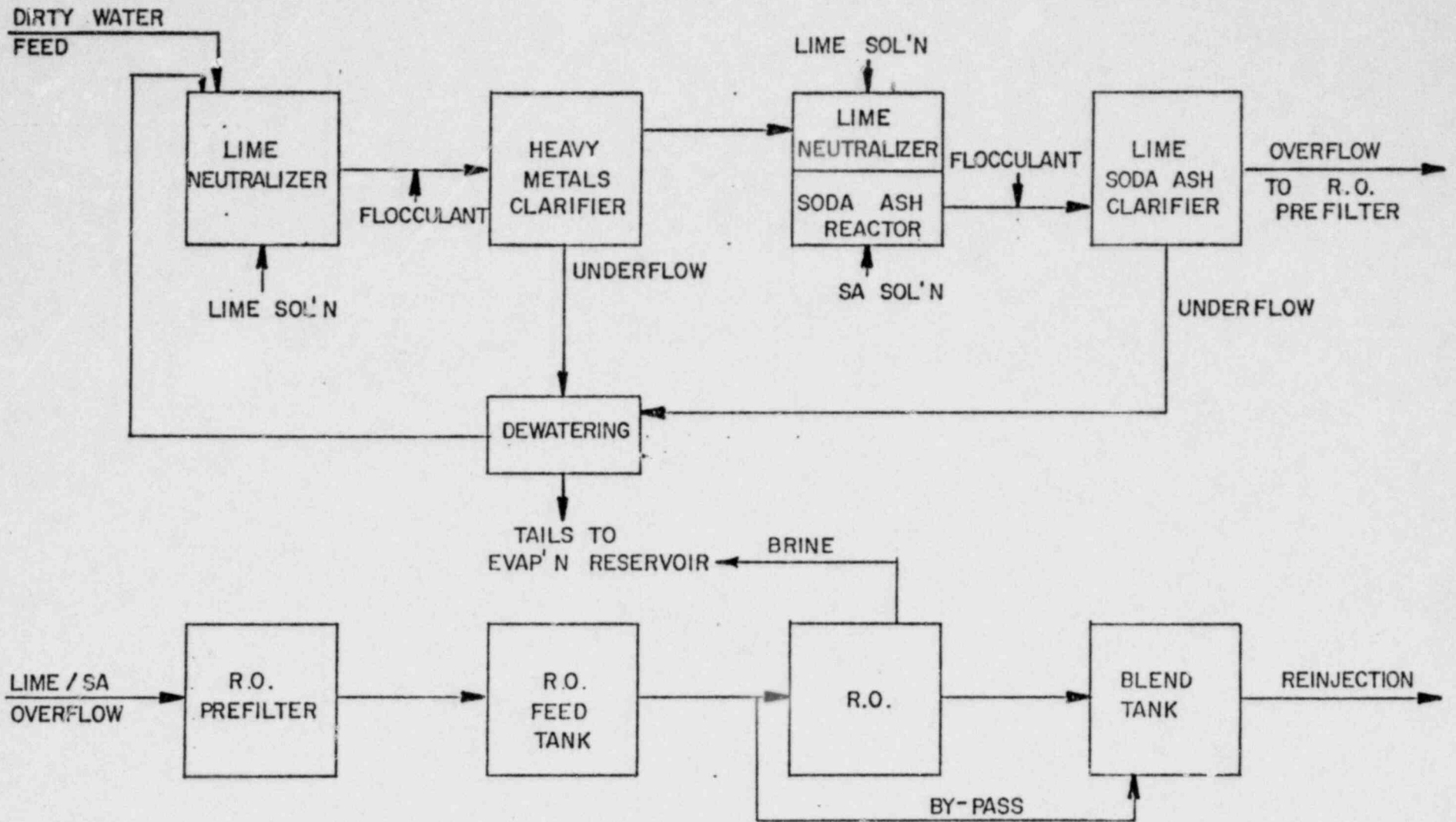
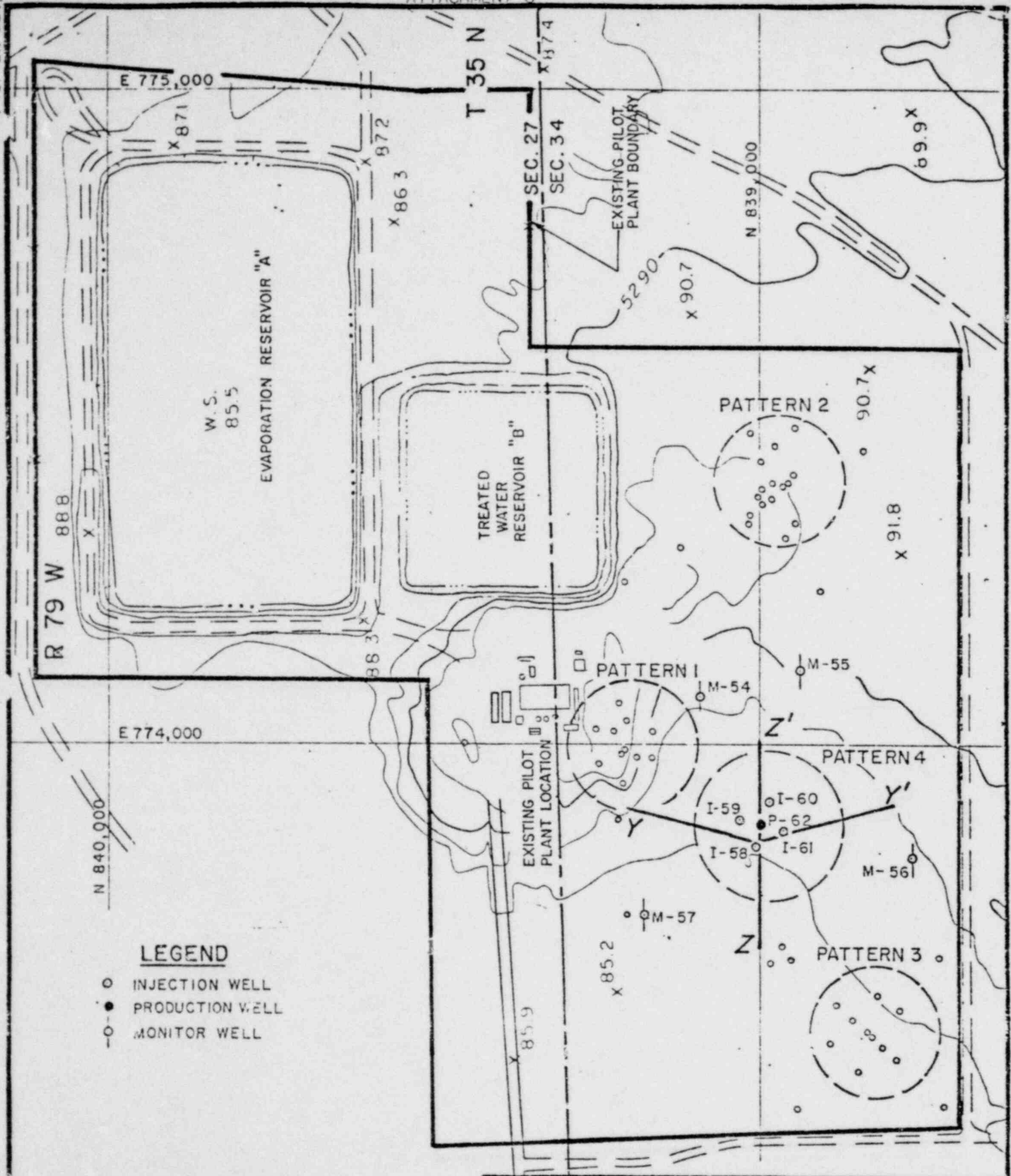


FIGURE 5

PATTERN 3 ACID RESTORATION CIRCUIT

-01-EN-024



LEGEND

- INJECTION WELL
- PRODUCTION WELL
- MONITOR WELL

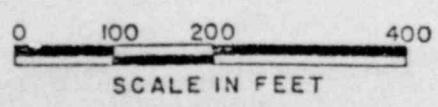
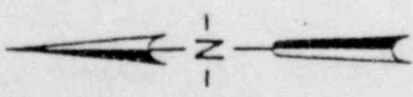



FIGURE 6

 ROCKY MOUNTAIN ENERGY COMPANY <small>A DIVISION OF UNITED STATES STEEL INDUSTRIES, INC.</small>		REV.
NINE MILE LAKE		
I.S.L. TEST S PROPOSED PATTERN #4		10005
DATE 5/16/80	DRAWN BY	086-01-EN-024