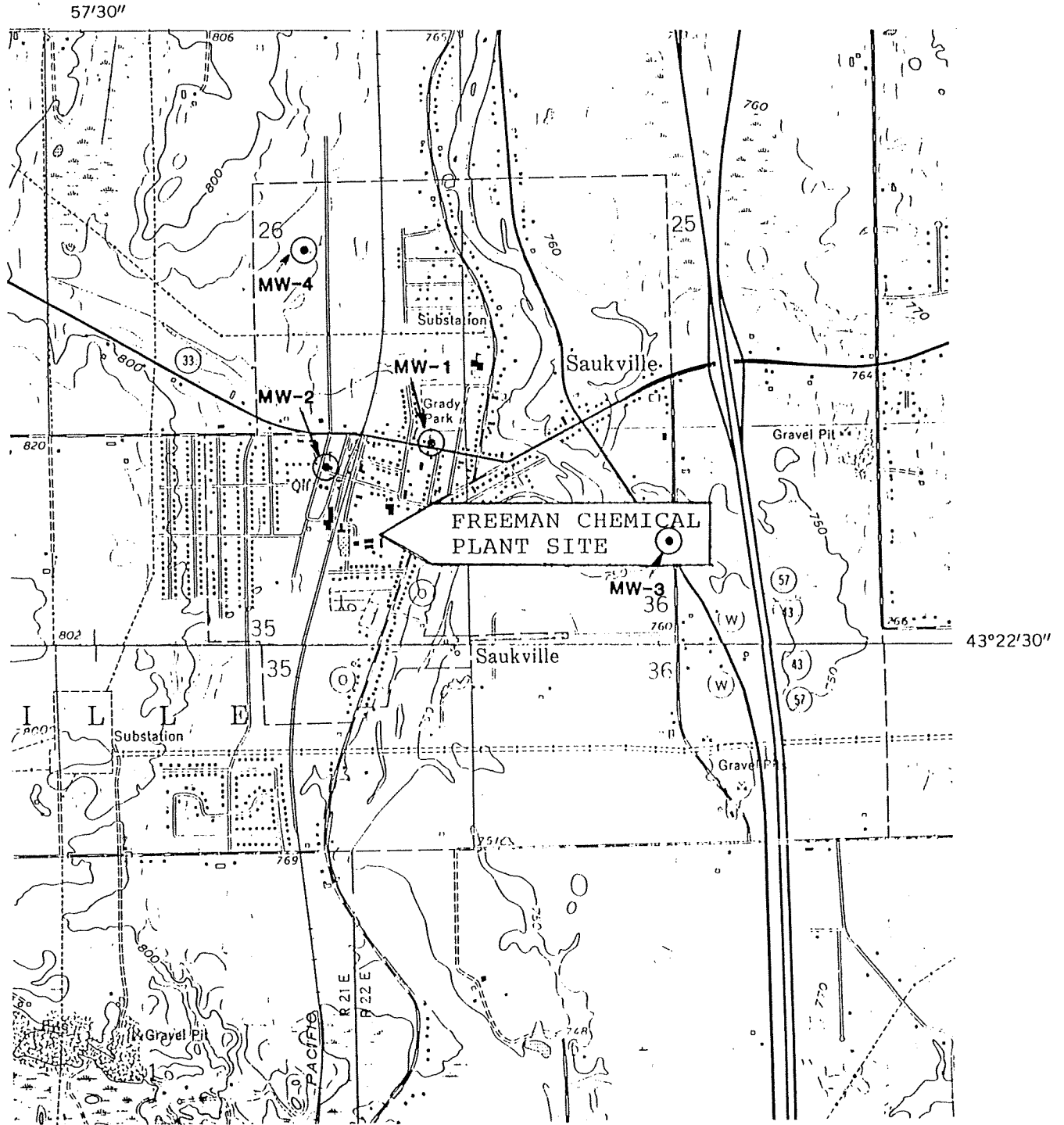
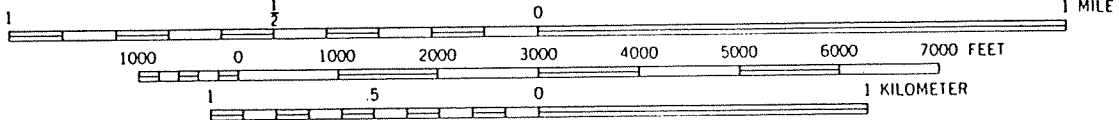


FIGURE 2

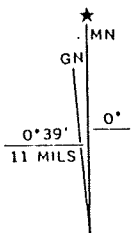
MUNICIPAL WELL LOCATION MAP



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS 578 FEET



PORT WASHINGTON WEST, WIS.
 NW/4 PORT WASHINGTON 15' QUADRANGLE
 N4322.5—W8752.5/7.5

1959

PHOTOREVISED 1971 AND 1976
 AMS 3470 IV NW—SERIES V861

- b. Laboratory records;
- c. Records for operating costs;
- d. Mechanism for reporting emergencies;
- e. Personnel and maintenance records; and
- f. Quarterly reporting.

TASK 4- WORK TO BE PERFORMED

Work to be performed shall follow the schedule established in Task 2 and the support plans established in Task 3.

A. Village of Saukville Water Supply

Develop and implement (with U.S. EPA and WDNR approval), a plan to protect the quantity and quality of potable water available to the Village of Saukville in the future if contamination from the facility limits the quantity and quality of available potable water. Also, develop and implement, if possible and economically feasible, a plan to eliminate the odor in the water from dolomite wells.

B. Exposure Information (Potential Receptors)

Submit a report, including the information identified below, describing the hazards associated with contamination at the facility and the human and environmental systems that are potential receptors of the contamination.

1. Provide a list of contaminants from the facility determined to be present in the environment. Document the following toxicological properties for each contaminant:
 - a. Metabolism;
 - b. Acute, subacute, chronic toxicity;
 - c. Carcinogenicity;
 - d. Mutagenicity;
 - e. Teratogenicity/reproductive effects;
 - f. Epidemiological evidence; and
 - g. Other health effects, and aquatic species toxicity.
2. Provide data on the type and extent of human contact with contaminated media, including:
 - a. Recreational, industrial, or agricultural uses of surface water draining the site;

Location and type

- c. A description of the ecology overlying and adjacent to the facility; and
- d. A description of any endangered or threatened species on or near the facility.

C. Groundwater Protection Standards

Prepare and provide information to support the U.S. EPA's and WDNR's selection of groundwater protection standards (acceptable "clean" level of contaminants in the groundwater) for all of the Appendix IX constituents found in the groundwater. The groundwater protection standards will consist of one of the following:

1. The respective value (MCL) given in Table 1 of 40 CFR 264.94, if the background level of the constituent is below that given in Table 1;
2. The background level of that constituent in the groundwater;
3. A U.S. EPA approved Alternate Concentration Limit (ACL); or
4. The value given in Wisconsin Administrative Rule NR 140.

D. Soil Protection Standards

Excavated soil from the site is subject to treatment and restricted use as specified in an August 8, 1986, and June 10, 1987, letter to Russell Cerk, Freeman Chemical Corporation from Richard O'Hara, WDNR.

TASK 5- EVALUATION OF GROUNDWATER COLLECTION SYSTEM

Evaluate the effectiveness of the groundwater collection system to perform its intended function by conducting groundwater monitoring for volatile organic compounds.

A. Groundwater Monitoring

Until such time as the groundwater monitoring system submitted under Task 3 is approved, groundwater monitoring will be consistent with an October 21, 1986, letter to Russell Cerk, Freeman Chemical Corporation, from Richard O'Hara, WDNR, and include any subsequent approved changes.

B. Annual Evaluation

Annually, make an evaluation, based primarily on the analytical data and water flow rates, of the effectiveness of the groundwater collection systems. The evaluation shall be submitted in the form of an annual report, including source and volume of groundwater collected and treated during the year, and a summary of water quality from monitoring wells; collection devices, and the treatment system.

E.W.
G.L.B

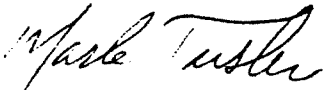
have a good understanding of what additional work will be done. The August 5, 1987 letter from Roger to myself mentions pump tests of well 30, MW-1 and MW-2. Please describe what additional pump tests will be undertaken.

A model is only as good as the data its based on. Many piezometers exist near Freeman. The model should be able to provide an adequate representation of the aquifer near the Freeman property. However, the model's objective is to encompass Saukville's water supply wells. The presence of only a few piezometers off the Freeman property limits the effectiveness of model calibration. Modelling a fractured aquifer influenced by a river and wells is a difficult problem and the subject of much research. It does not appear that the model will be able to adequately address the interrelation of the wells and the river without the use of additional piezometers off the Freeman property. Describe what additional work will be taken to calibrate the model over a wider area.

In reviewing the recent submittals of the groundwater monitoring results, I do not find any groundwater elevation or odor results. Please describe how the odor test is conducted and send me available odor and groundwater elevation data since January 1986.

Please call me if you have any questions concerning this letter.

Sincerely,



Mark Tusler, Hydrogeologist
Hazardous Waste Management Section
Bureau of Solid Waste Management

cc: Ted Bosch/Frank Schultz/Greg Pilarski - SED
Marion Barnes - EPA Region V
Village of Saukville
Roger Hatcher - Hatcher, Inc.
Lee Boushon - WS/2