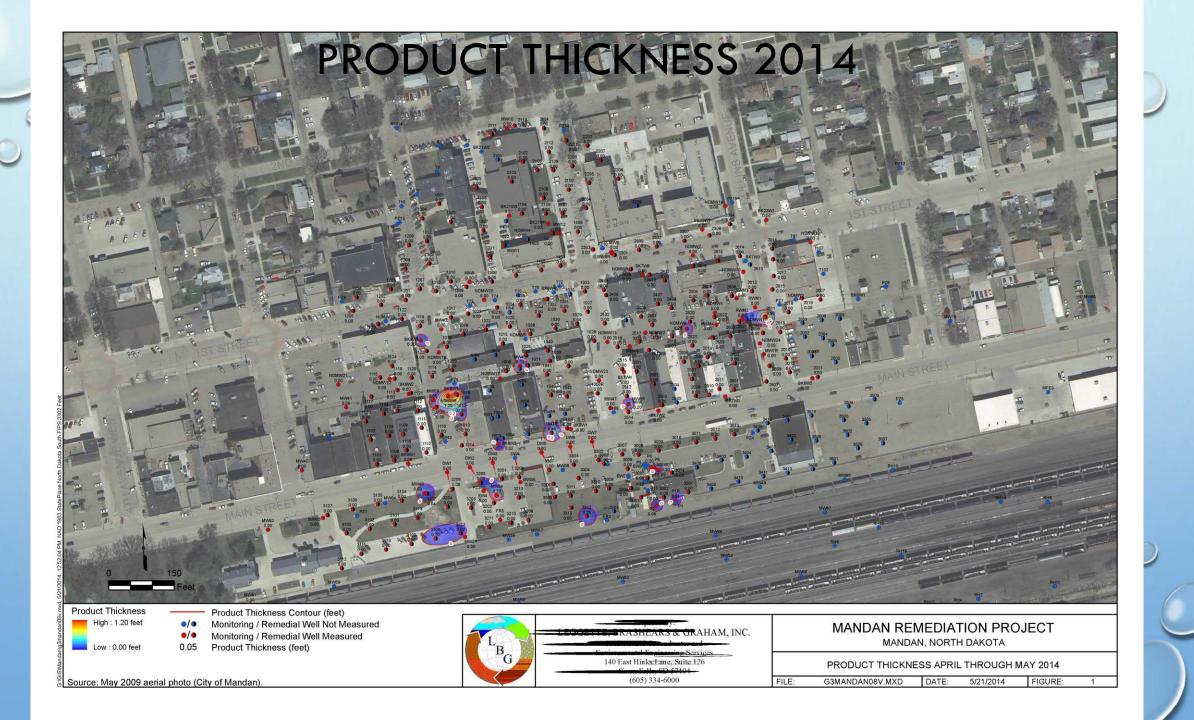




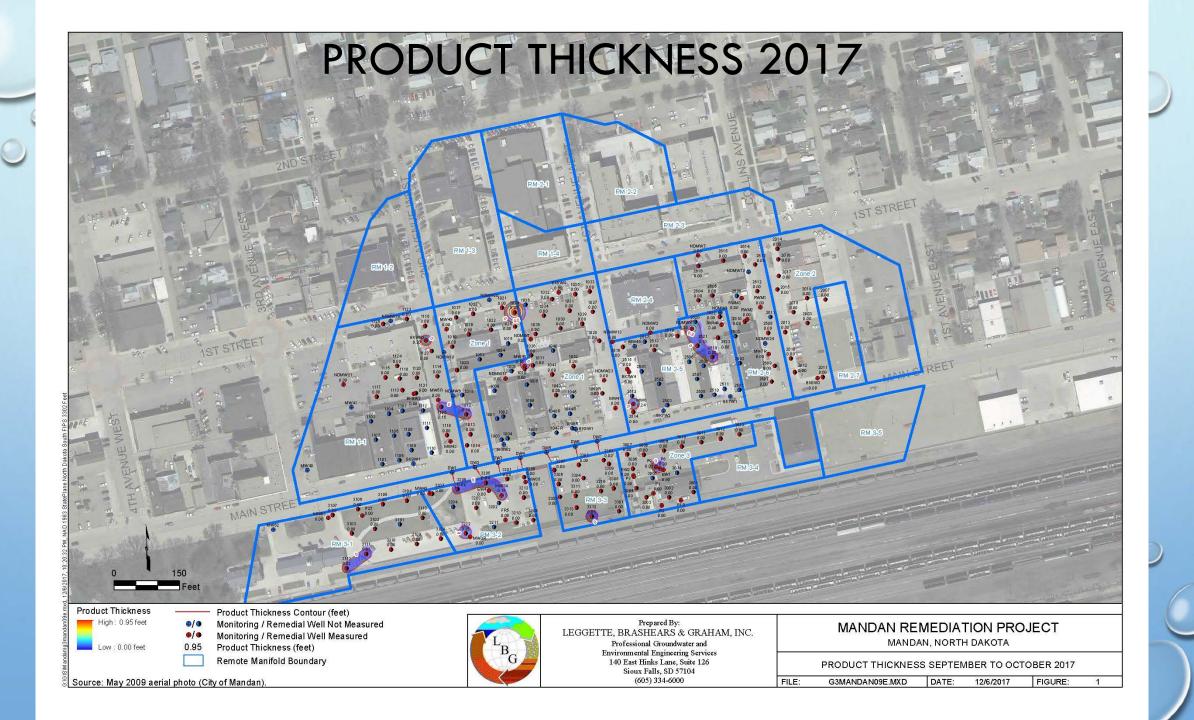


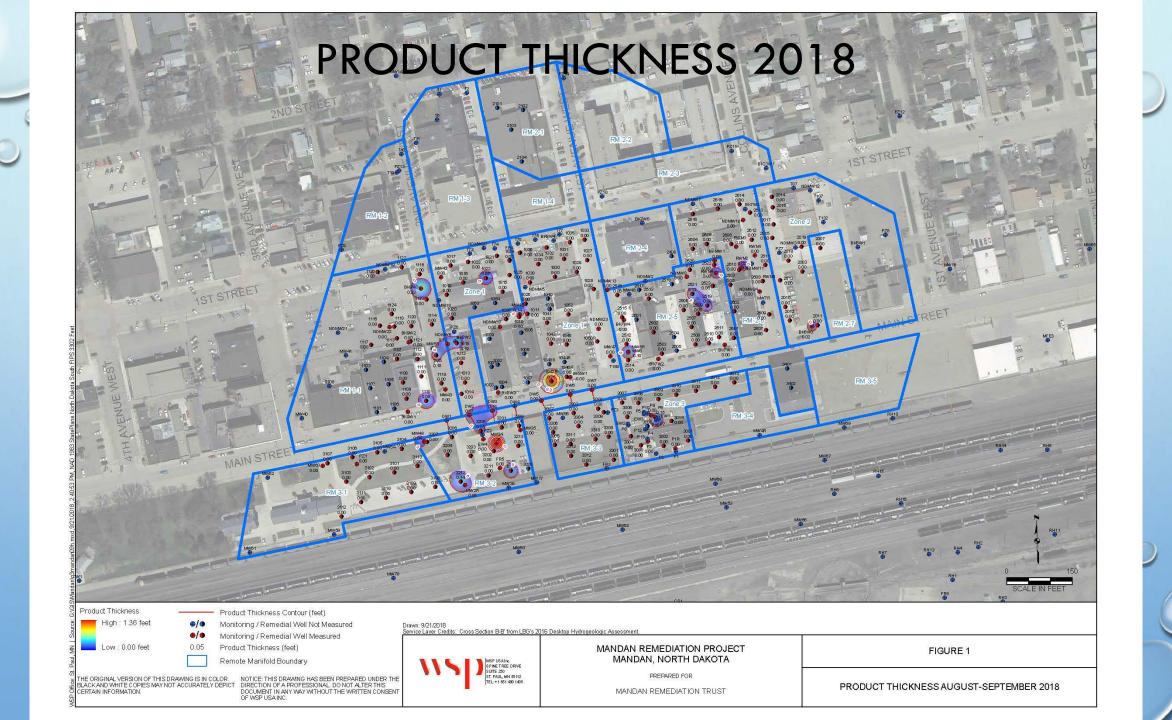
Source: May 2009 aerial photo (City of Mandan).

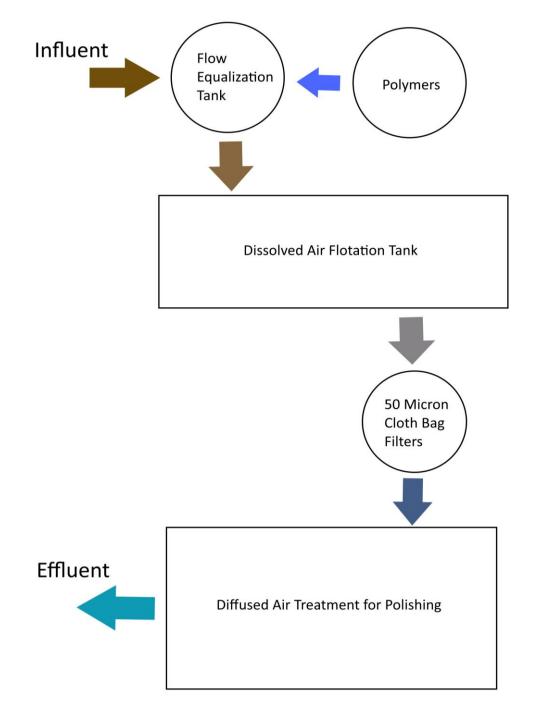












WASTE WATER TREATMENT SYSTEM SCHEMATIC



MANDAN PRETREATMENT PERMIT CONDITIONS

WASTEWATER DISCHARGED INTO THE SANITARY SEWER SYSTEM SHALL NOT HAVE ANY CONCENTRATION GREATER THAN THAT LISTED FOR THE SUBSTANCE BELOW.

<u>POLLUTANT</u>	DAILY MAXIMUM LIMIT
ARSENIC	0.230 MG/L
BENZENE	0.050 MG/L
BTEX	0.750 MG/L
CADMIUM	0.250 MG/L
CHROMIUM – TOTAL	4.120 MG/L
CHROMIUM (III)	3.550 MG/L
CHROMIUM (VI)	0.033 MG/L
COPPER	4.040 MG/L
LEAD	0.740 MG/L
MERCURY	0.073 MG/L
MOLYBDENUM	1.020 MG/L
NICKEL	1.880 MG/L
SELENIUM	0.280 MG/L
SILVER	2.460 MG/L
ZINC	2.000 MG/L
OIL AND GREASE	*NO VISIBLE SHEEN

THE DAILY MAXIMUM CONCENTRATIONS AS LISTED ABOVE SHALL APPLY AT THE POINT OF DISCHARGE TO THE CITY OF MANDAN'S WASTEWATER COLLECTION SYSTEM.

^{*} IF A VISIBLE SHEEN OR FLOATING OIL IS OBSERVED IN THE DISCHARGE, A GRAB SAMPLE SHALL BE COLLECTED, ANALYZED AND THE CITY SHALL BE CONTACTED.

SAMPLING SCHEDULE

THE PERMITTEE NAMED ABOVE SHALL SAMPLE AND ANALYZE ITS WASTEWATER FOR THE FOLLOWING POLLUTANTS AND UNDER THE FOLLOWING SCHEDULES UNLESS AUTHORIZED OTHERWISE BY THE WASTEWATER TREATMENT PLANT SUPERINTENDENT:

<u>POLLUTANT</u>	TYPE OF SAMPLE	<u>FREQUENCY</u>
PH	GRAB	SEMI-ANNUAL
OIL AND GREASE	VISUAL	VISUAL 1X / WEEK 1
BTEX	GRAB	SEMI-ANNUAL
DRO	GRAB	SEMI-ANNUAL
GRO	GRAB	SEMI-ANNUAL

¹ PERFORM VISUALS DAILY WHEN WORKERS PRESENT, SAMPLE IF SHEEN DETECTED, OR MONTHLY AT A MINIMUM.



SHUT DOWN ALL SYSTEMS IN 2018

- 2019 MONITORING
- MAY CLOSE ENTIRE SYSTEM IN 2019 IF NO FURTHER RISK TO HEALTH OR ENVIRONMENT

CURRENT SITE CONDITIONS



THANK YOU

