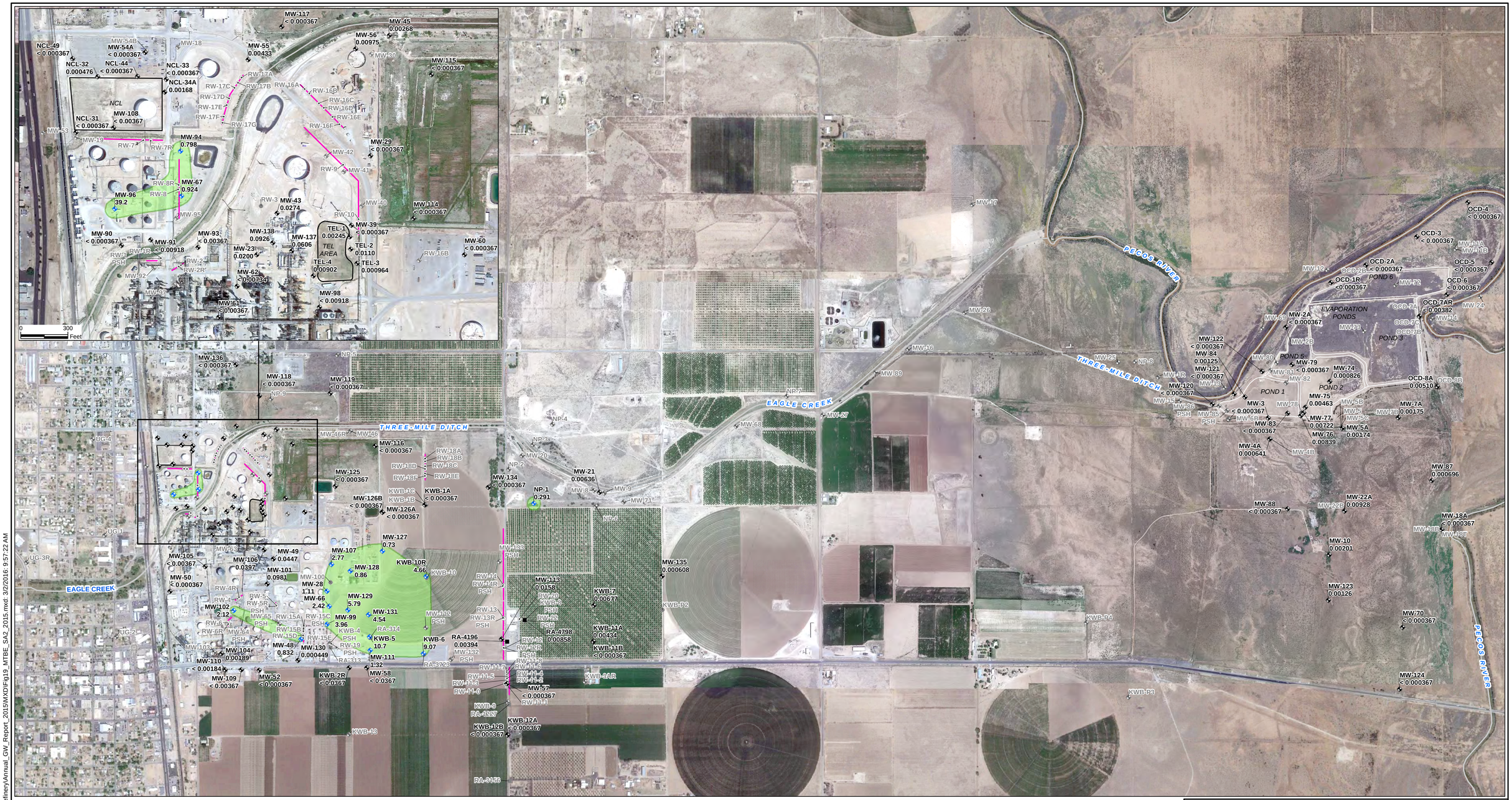
GW – 028

2015 AGWMR

PART 24 OF 25

03 / 2016



LEGEND:

- MONITORING WELL
- RECOVERY WELL
- IRRIGATION WELL
- ABANDONED WELL
- RECOVERY TRENCH

NCL = NORTH COLONY LANDFARM
TEL = TETRA ETHYL LEAD

WELLS EXCEEDING SCREENING LEVELS

- MONITORING WELL
- RECOVERY WELL
- IRRIGATION WELL

MTBE GROUNDWATER EXCEEDANCE AREA

NOTES:
1. MTBE IS METHYL-TERT-BUTYL ETHER.
2. WELLS NOT SAMPLED DURING THIS EVENT ARE SHOWN IN GRAY.
3. < X INDICATES THAT THE ANALYTE WAS NOT DETECTED AT A REPORTING LIMIT EQUAL TO X.
4. ALL CONCENTRATIONS ARE IN MILLIGRAMS PER LITER (mg/L).
5. CRITICAL GROUNDWATER SCREENING LEVEL FOR MTBE IS 0.143 mg/L.
6. PSH INDICATES PHASE SEPARATED HYDROCARBONS (PSH) WERE MEASURED IN THE IDENTIFIED WELL AS ≥0.03 FEET THICK.
7. DUE TO THE SCALE OF THIS MAP, TRENCHES IN THE NORTH AND SOUTH REFINERY AREAS ARE ONLY MINIMALLY VISIBLE. REFER TO FIGURE 3 (WELL LOCATIONS AND TANK INFORMATION WITHIN REFINERY) FOR MORE DETAIL.

0 800 1,600 2,400 3,200 Feet
GRAPHIC SCALE

NAVAJO REFINING COMPANY
ARTESIA REFINERY, EDDY COUNTY, NEW MEXICO

2015 ANNUAL GROUNDWATER REPORT

MTBE CRITICAL GROUNDWATER SCREENING LEVEL EXCEEDANCE AREAS 2015 SECOND SEMIANNUAL EVENT

ARCADIS

FIGURE
19

CITY: SF DIV/GROUP: ENV/IM DB: K ERNST LD: K SCHNEBELE PIC: PM: P KRUEGER TM: TR:
Project (Project #) TX000836.0004.0004
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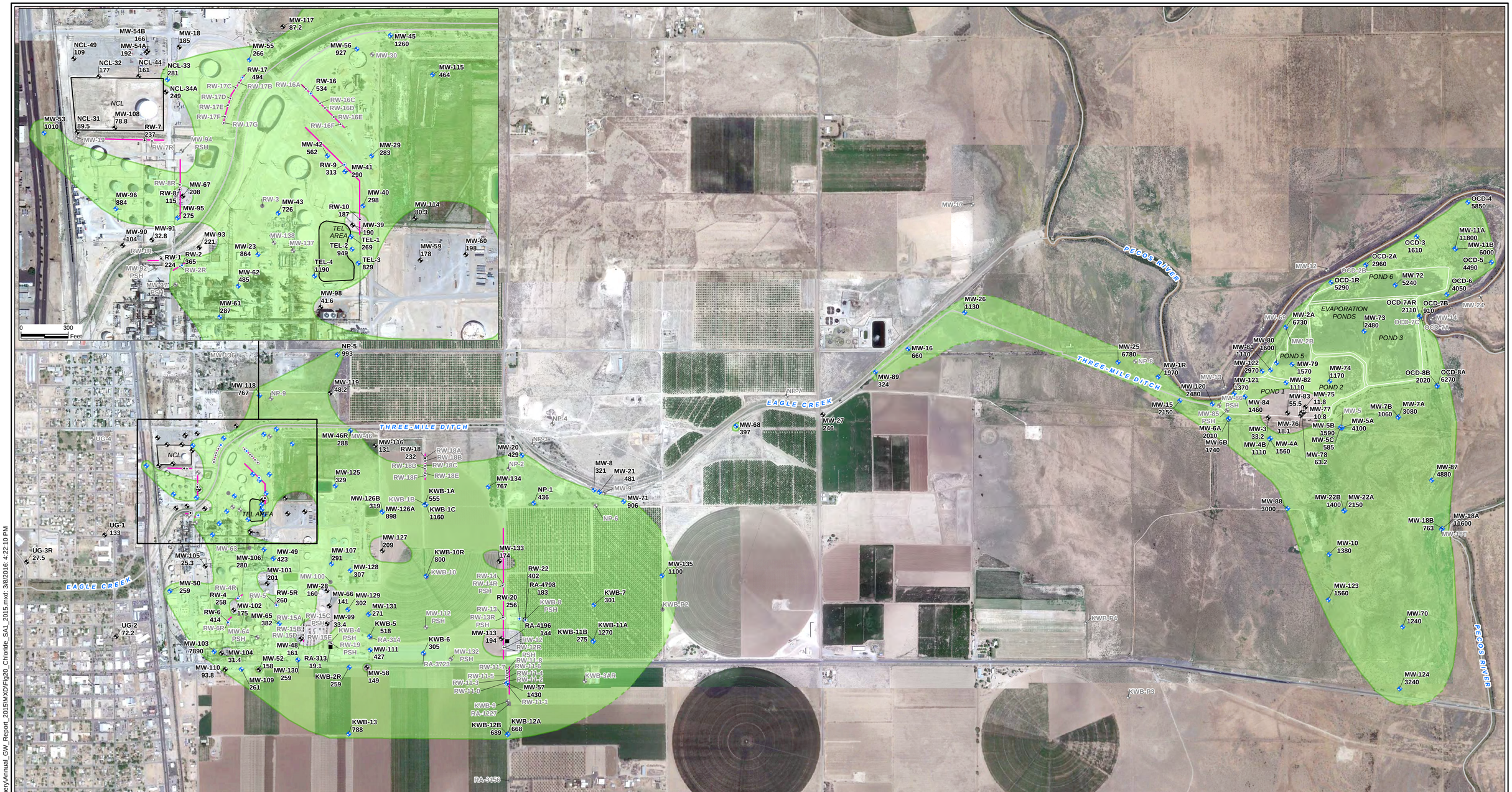

LEGEND:

- MONITORING WELL
- RECOVERY WELL
- IRRIGATION WELL
- ABANDONED WELL
- RECOVERY TRENCH

NCL = NORTH COLONY LANDFARM
TEL = TETRA ETHYL LEAD

WELLS EXCEEDING SCREENING LEVEL

- MONITORING WELL
- RECOVERY WELL
- IRRIGATION WELL

CHLORIDE GROUNDWATER EXCEEDANCE AREA (DASHED LINE WHERE INFERRED)

NOTES:

1. WELLS NOT SAMPLED DURING THIS EVENT ARE SHOWN IN GRAY.
2. < X INDICATES THAT THE ANALYTE WAS NOT DETECTED AT A REPORTING LIMIT EQUAL TO X.
3. ALL CONCENTRATIONS ARE IN MILLIGRAMS PER LITER (mg/L).
4. CRITICAL GROUNDWATER SCREENING LEVEL FOR CHLORIDE IS 250 mg/L.
5. PSH INDICATES PHASE SEPARATED HYDROCARBONS (PSH) WERE MEASURED IN THE IDENTIFIED WELL AS ≥0.03 FEET THICK.
6. DUE TO THE SCALE OF THIS MAP, TRENCHES IN THE NORTH AND SOUTH REFINERY AREAS ARE ONLY MINIMALLY VISIBLE. REFER TO FIGURE 3 (WELL LOCATIONS AND TANK INFORMATION WITHIN REFINERY) FOR MORE DETAIL.

0 800 1,600 2,400 3,200 Feet
GRAPHIC SCALE

NAVAJO REFINING COMPANY
ARTESIA REFINERY, EDDY COUNTY, NEW MEXICO

2015 ANNUAL GROUNDWATER REPORT

CHLORIDE CRITICAL GROUNDWATER SCREENING LEVEL EXCEEDANCE AREAS 2015 FIRST SEMIANNUAL EVENT

ARCADIS

FIGURE
20

CITY: SF DIV/GROUP: ENV/IM DB: K ERNST LD: K SCHNIEBELE PIC: PM: P KRUEGER TM: TR:
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