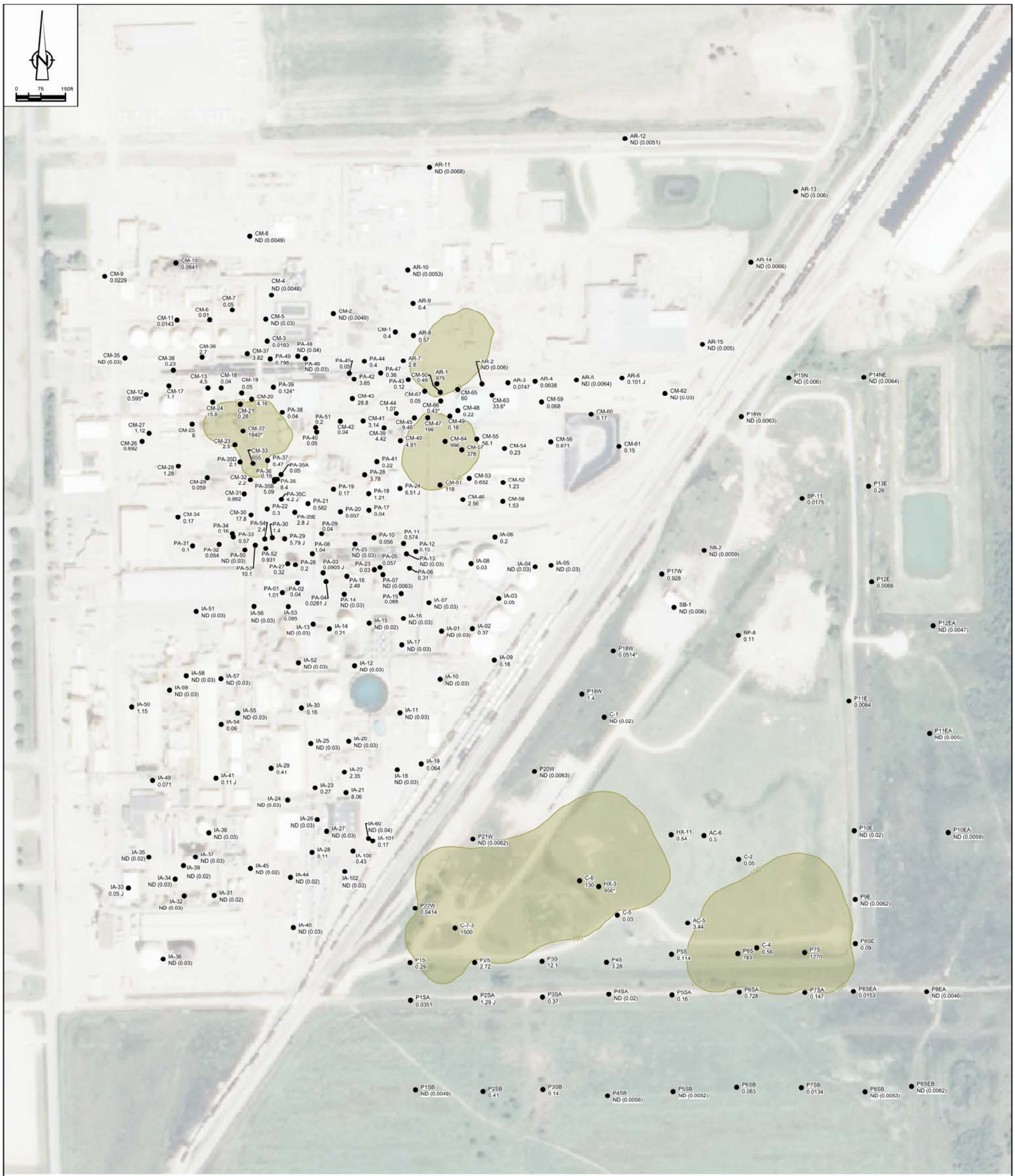


LEGEND:

100 PERACHLOROETHENE ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 0.4 ● SOIL SAMPLE LOCATION AND IDENTIFIER / SOIL SAMPLE RESULT

ND NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
PERCHLOROETHYLENE	110	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

PERCHLOROETHENLYENE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

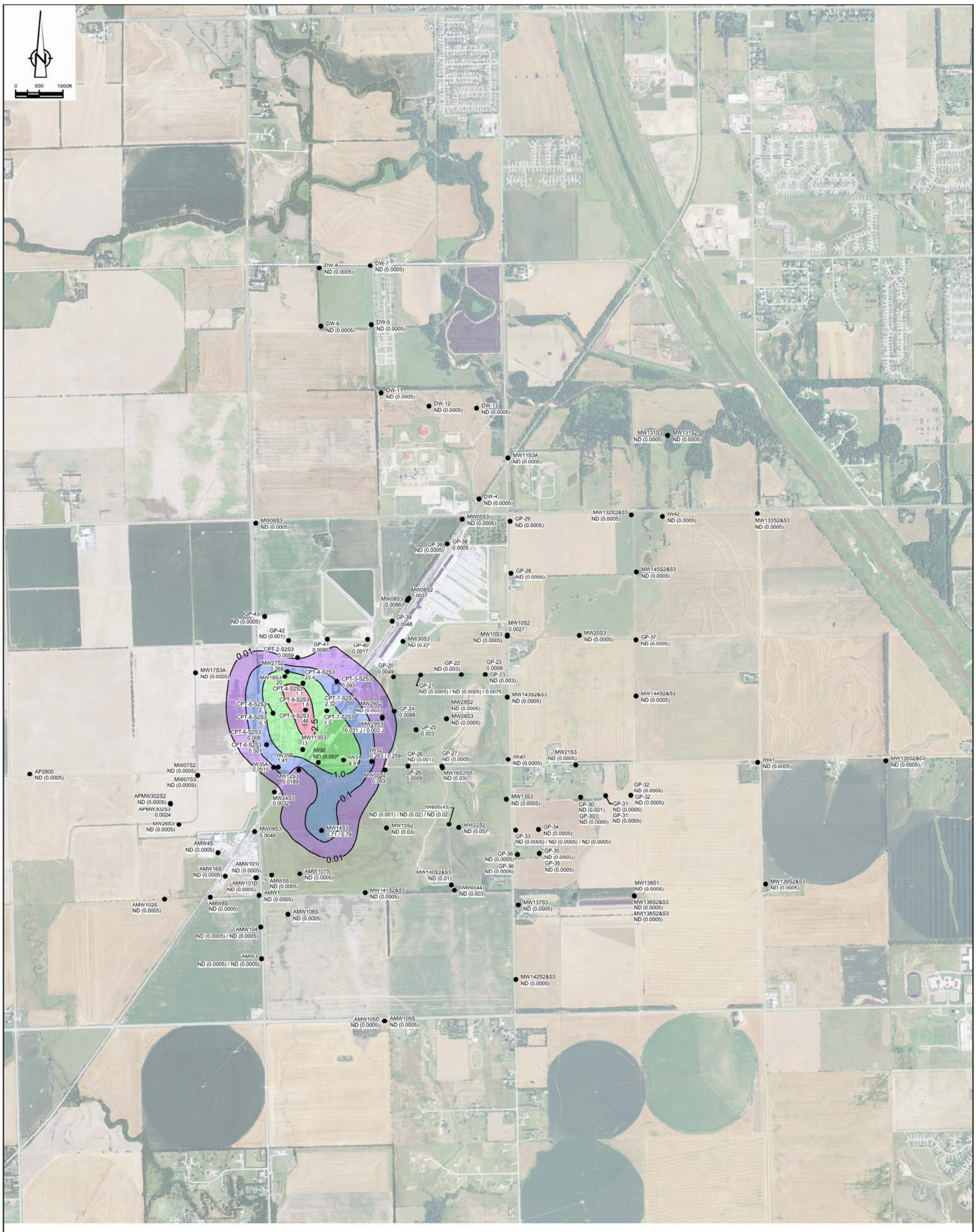
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 1

54046-D21111(036)GN-CO061 MAR 15/2013



LEGEND:

(0.001) PERCHLOROETHYLENE ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ND (0.00005) ● MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L

ND (0.00005) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA			
CHEMICAL NAME	MCL	TAP WATER	UNITS
PERCHLOROETHYLENE	0.005	0.0097	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

PERCHLOROTHENLYENE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

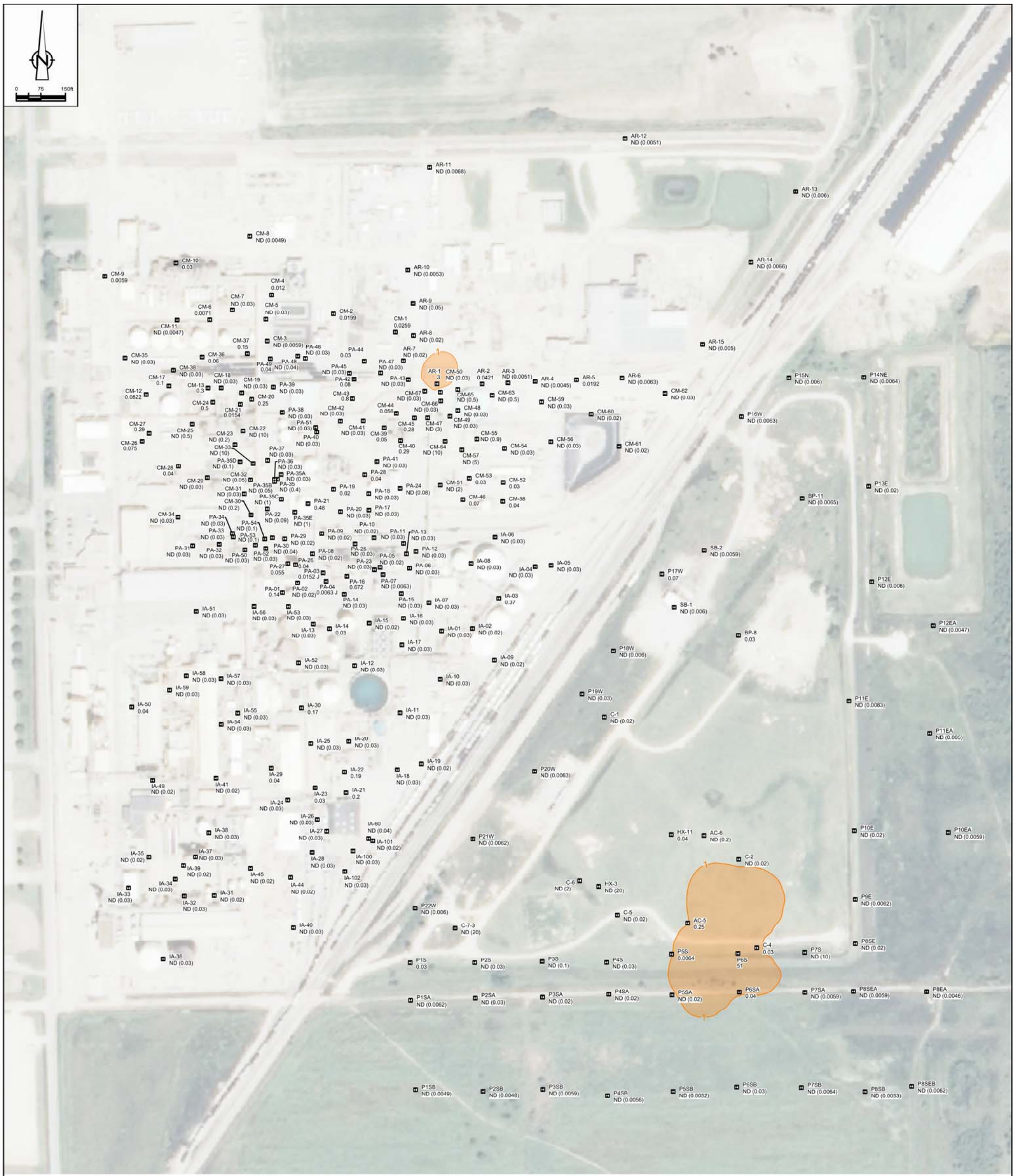
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 2

54046-D21111(036)GN-CO082 MAR 15/2013



LEGEND:

1 TRICHLOROETHENE ISOCONCENTRATION CONTOUR IN mg/kg

AR-1 0.0259 SOIL SAMPLE LOCATION AND IDENTIFIER
SOIL SAMPLE RESULT

ND NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
TRICHLOROETHENE	6.4	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

TRICHLOROETHENE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

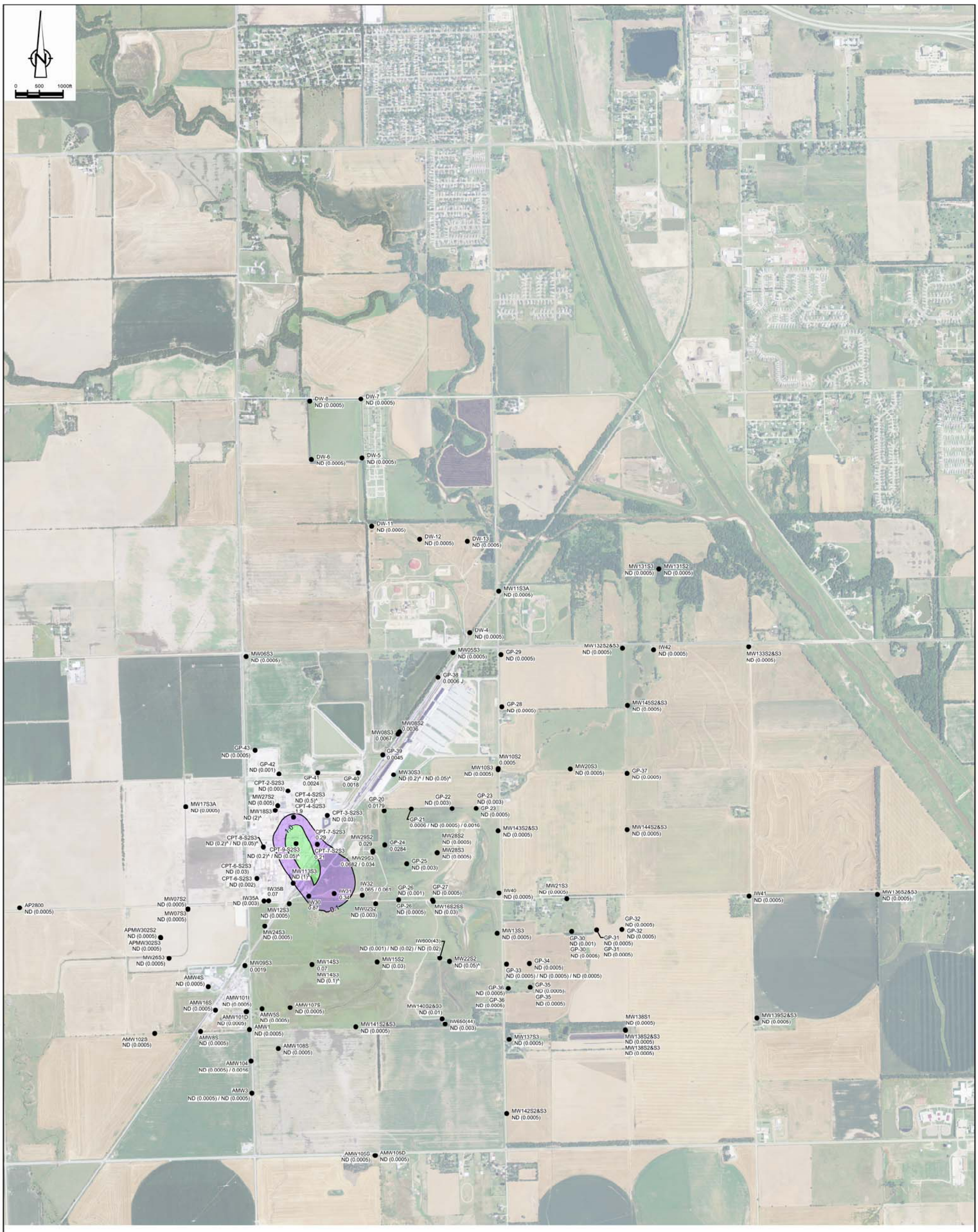
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project No: 54046-D21111	Report No: 036	Drawing No: figure I 3

54046-D21111(036)GN-CO104 MAR 15/2013



LEGEND:

- 0.01 — TRICHLOROETHENE ISOCONCENTRATION CONTOUR IN mg/L
- AMW1 ND (0.00005) — MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L
- ND (0.00005) — NOT DETECTED
- * — AVERAGE VALUE OF CO-LOCATED RESULTS
- ^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA			
CHEMICAL NAME	MCL	TAP WATER	UNITS
TRICHLOROETHENE	0.005	0.00044	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISOCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

TRICHLOROETHENE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

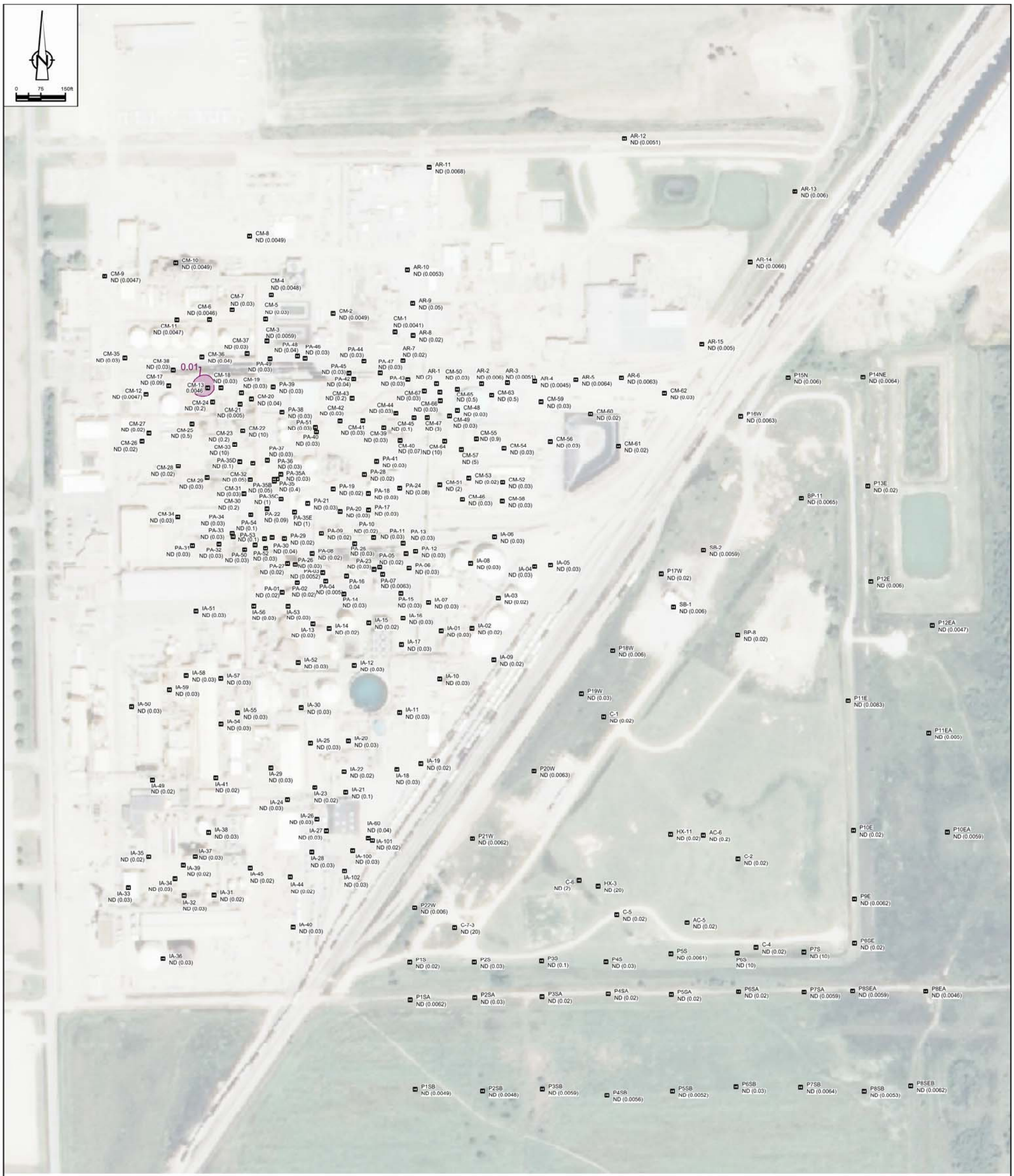
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 4

54046-D21111(036)GN-CO083 MAR 15/2013



LEGEND:

0.01	VINYL CHLORIDE ISOCONCENTRATION CONTOUR IN mg/kg
AR-1 0.0259	SOIL SAMPLE LOCATION AND IDENTIFIER SOIL SAMPLE RESULT
ND	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
VINYL CHLORIDE	1.7	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

VINYL CHLORIDE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

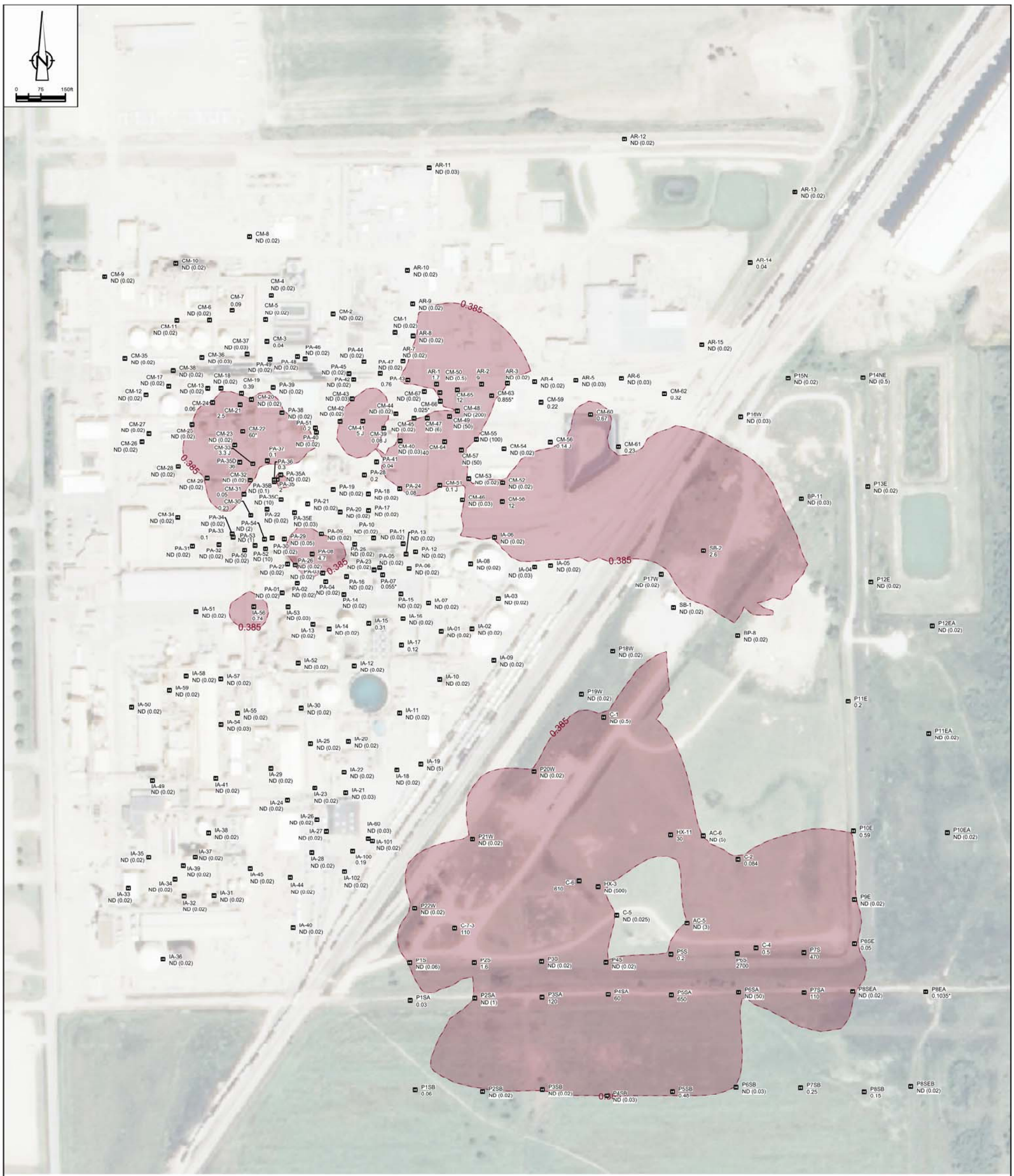
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project No: 54046-D21111	Report No: 036	Drawing No: figure I 5

54046-D21111(036)GN-CO105 MAR 15/2013



LEGEND:

0.385	HEXACHLOROBENZENE ISOCONCENTRATION CONTOUR IN mg/kg
CM-1 ND (0.02)	SOIL SAMPLE LOCATION AND IDENTIFIER SOIL SAMPLE RESULT
ND	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
HEXACHLOROBENZENE	1.1	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

HEXACHLOROBENZENE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

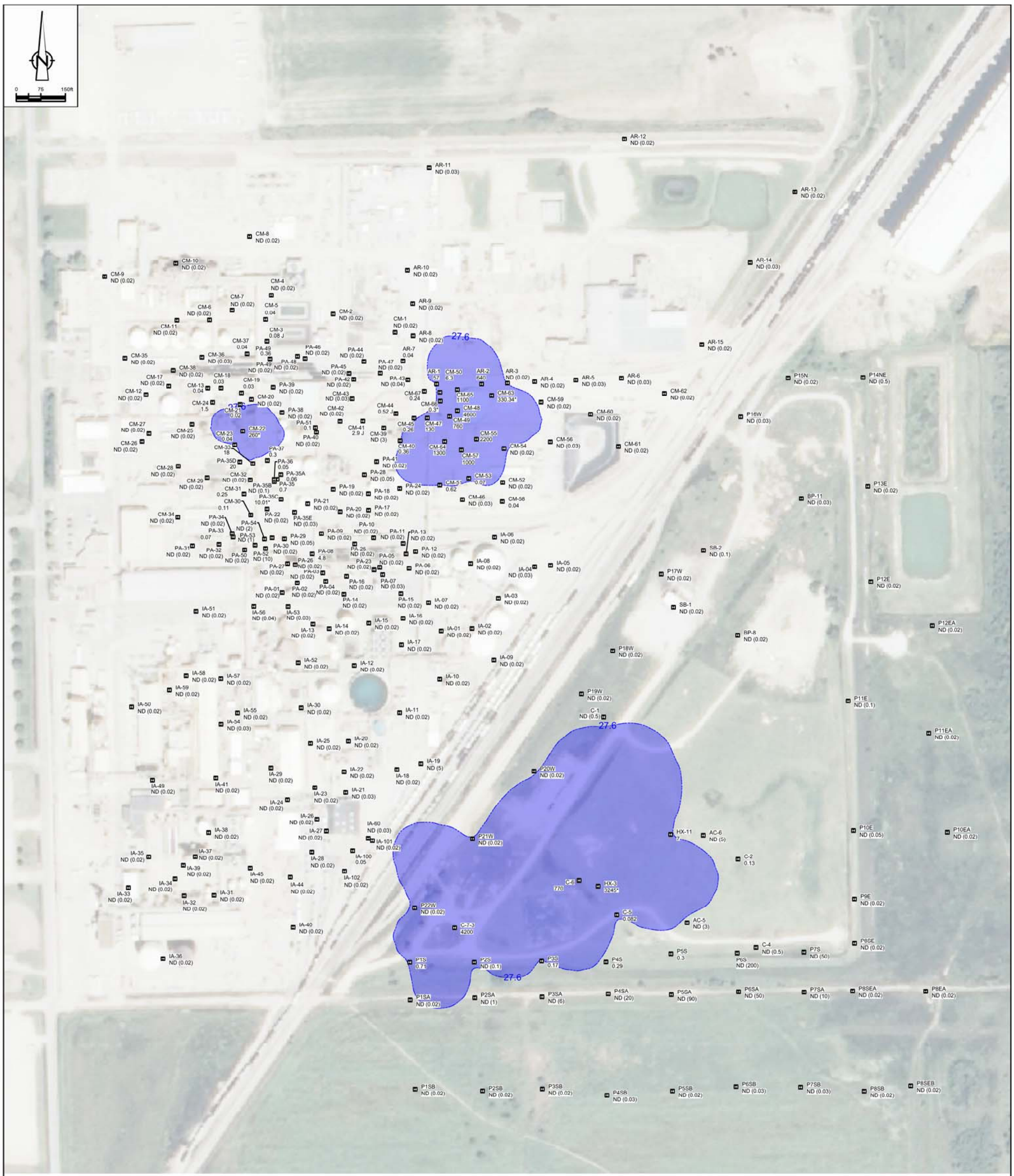
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 6

54046-D21111(036)GN-CO098 MAR 15/2013



LEGEND:

27.6 HEXACHLOROBUTADIENE ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 SOIL SAMPLE LOCATION AND IDENTIFIER
ND (0.02) SOIL SAMPLE RESULT

ND NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
HEXACHLOROBUTADIENE	22	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

HEXACHLOROBUTADIENE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

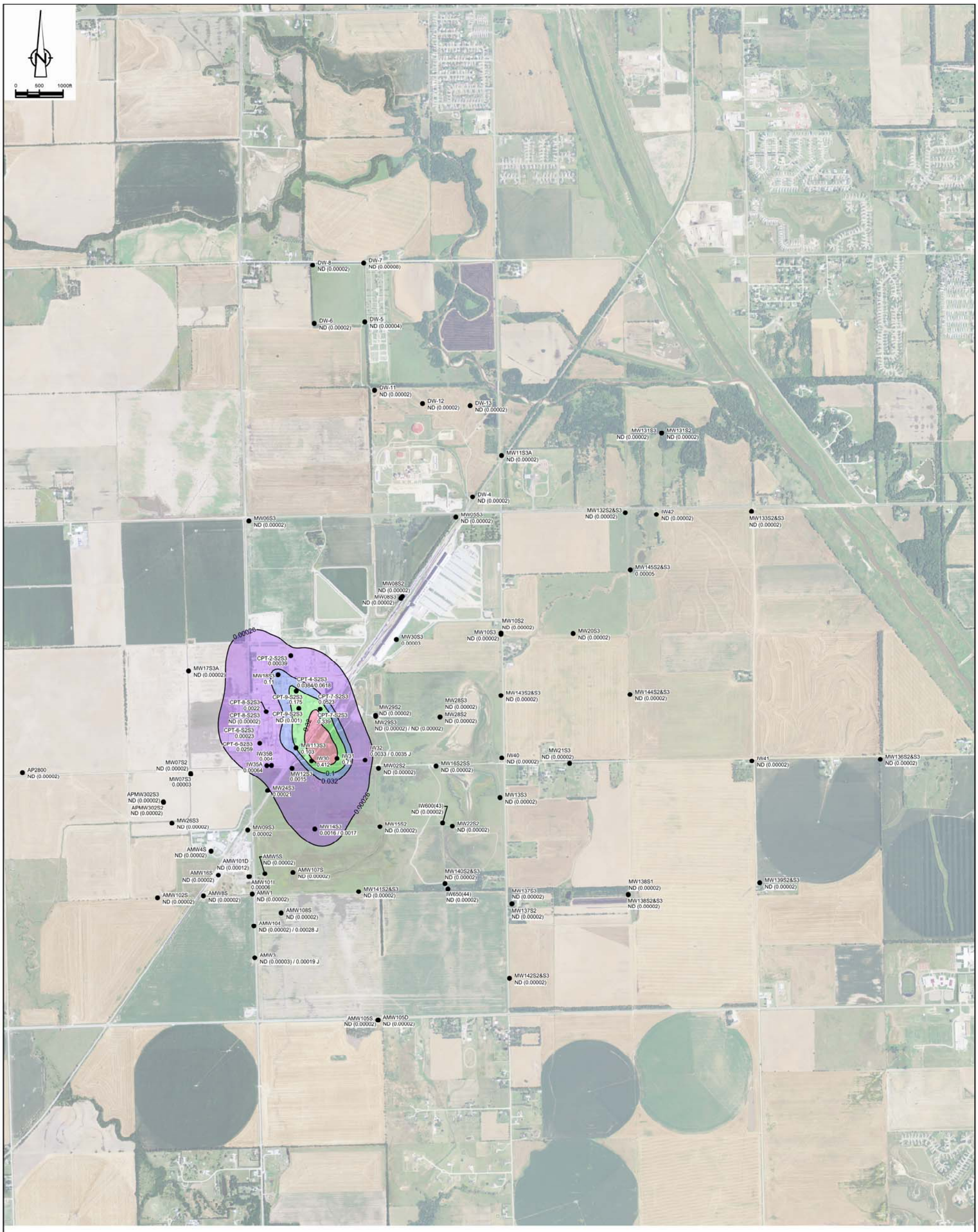
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project No: 54046-D21111	Report No: 036	Drawing No: figure I 7

54046-D21111(036)GN-CO099 MAR 15/2013



LEGEND:

0.00026 HEXACHLOROBUTADIENE ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ND (0.00005) MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L

ND (0.00005) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA			
CHEMICAL NAME	MCL	TAP WATER	UNITS
HEXACHLOROBUTADIENE	--	0.00026	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISOCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

HEXACHLOROBUTADIENE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

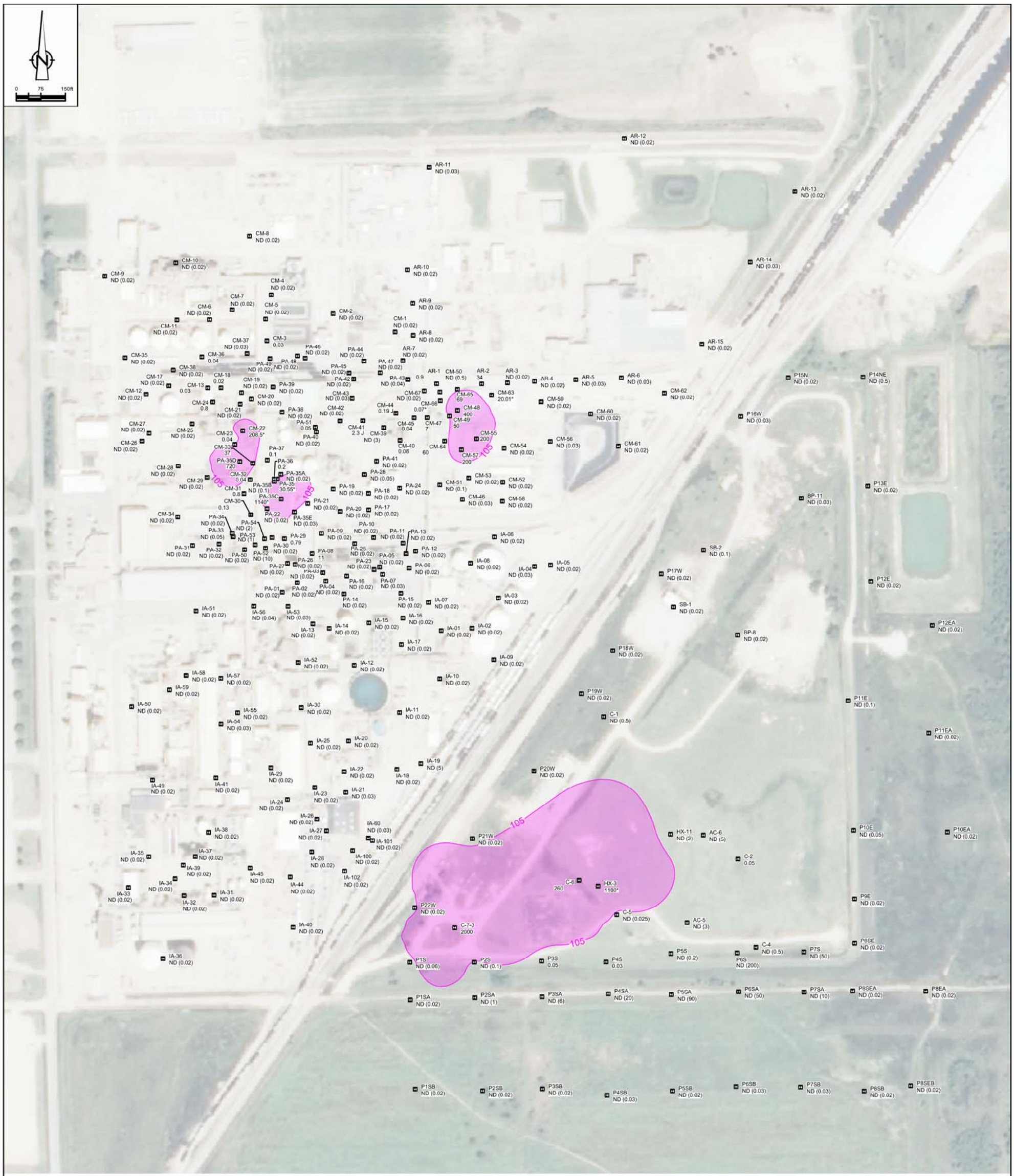
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 8

54046-D21111(036)GN-CO078 MAR 15/2013



LEGEND:

105 HEXACHLOROETHANE ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 ND (0.02) SOIL SAMPLE LOCATION AND IDENTIFIER / SOIL SAMPLE RESULT

ND NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
HEXACHLOROETHANE	43	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

HEXACHLOROETHANE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

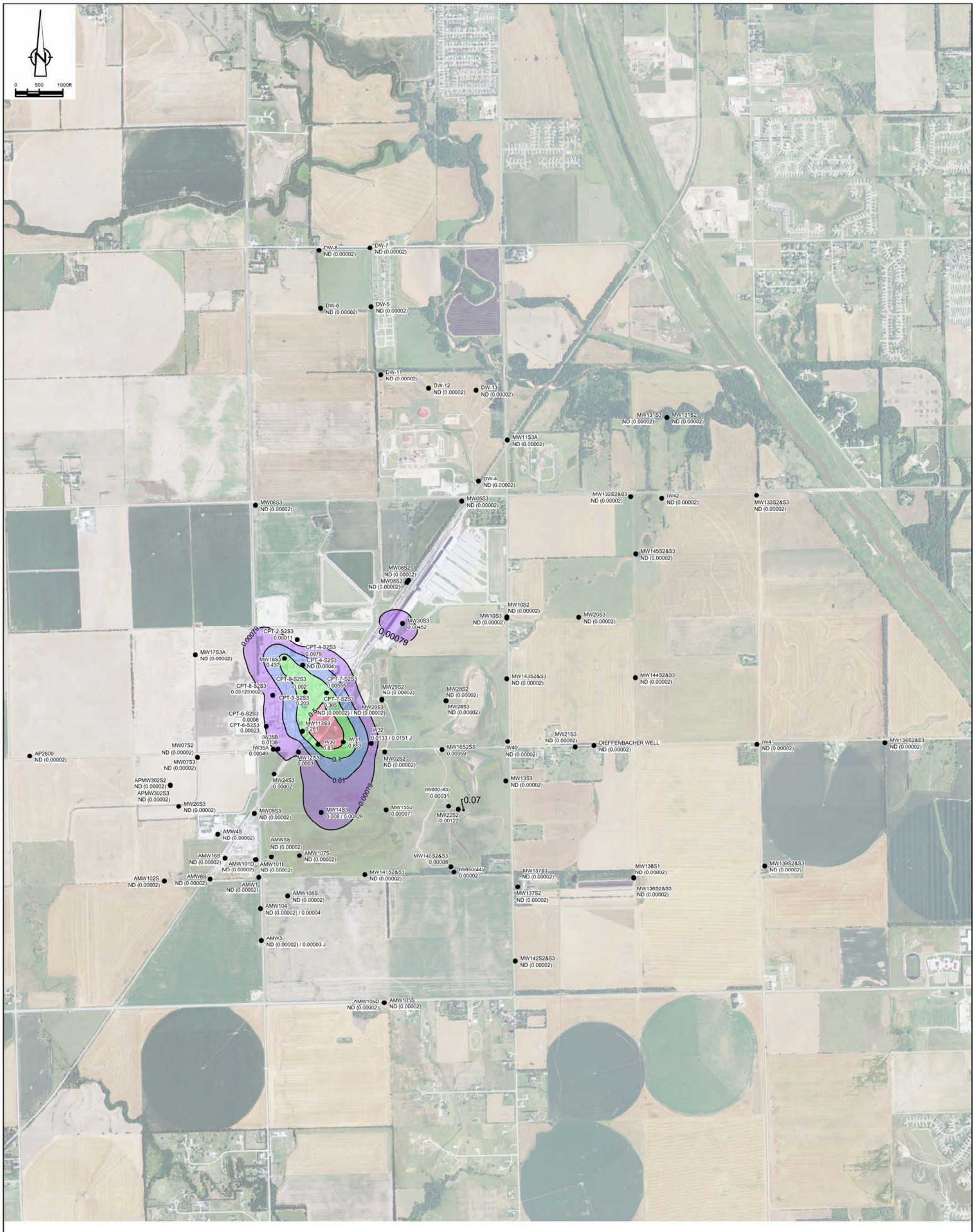
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 9

54046-D21111(036)GN-CO100 MAR 15/2013



LEGEND:

(0.00079) HEXACHLOROETHANE ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ● MONITORING WELL LOCATION AND IDENTIFIER
ND (0.00002) GROUNDWATER SAMPLE RESULT mg/L

ND (0.00002) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA			
CHEMICAL NAME	MCL	TAP WATER	UNITS
HEXACHLOROETHANE	--	0.00079	mg/L

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

HEXACHLOROETHANE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

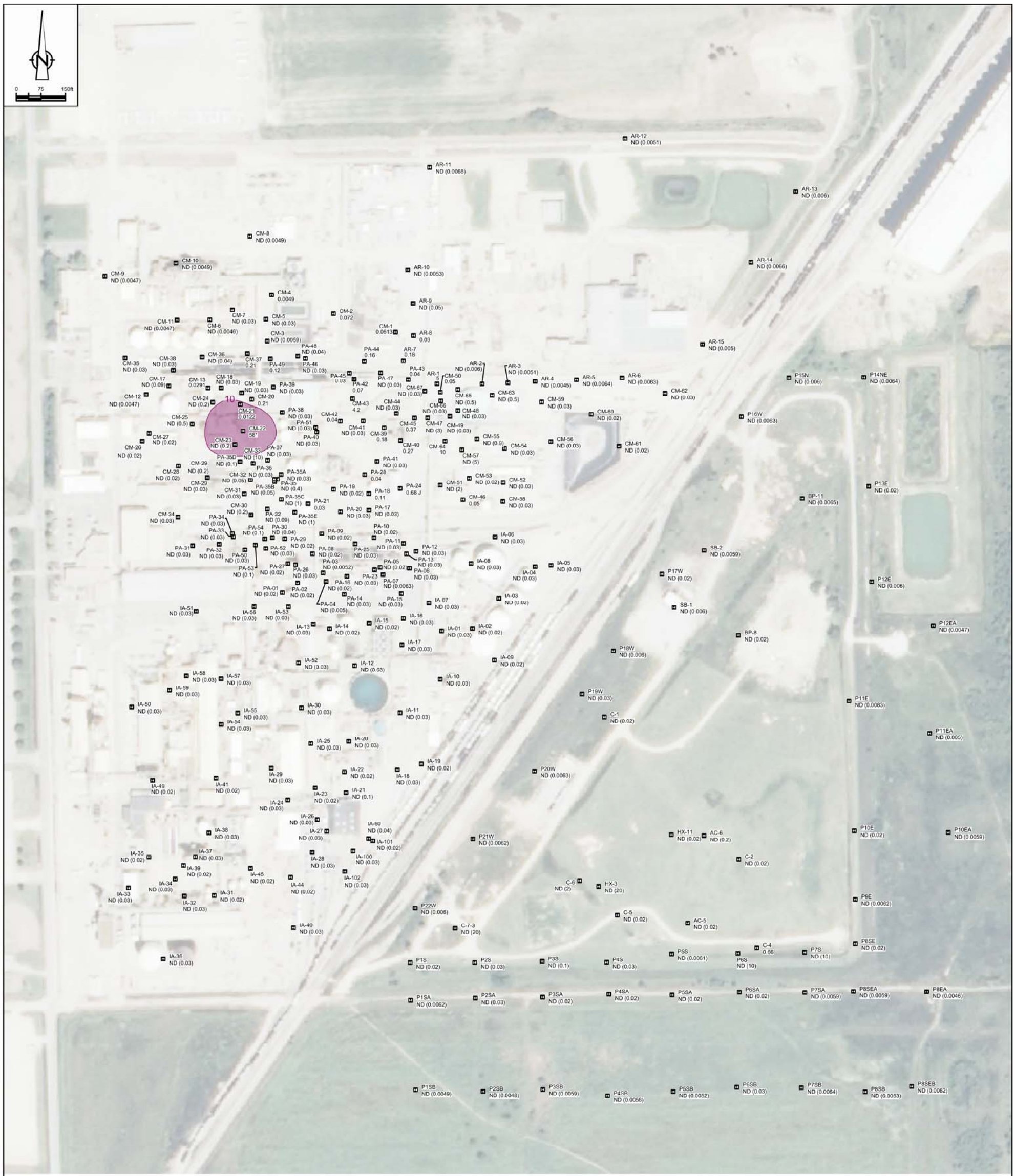
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure 10

54046-D21111(036)GN-CO079 MAR 15/2013



LEGEND:

10 — 1,1,1-TRICHLOROETHANE ISOCONCENTRATION CONTOUR IN MG/KG

CM-1 — SOIL SAMPLE LOCATION AND IDENTIFIER
0.0613 — SOIL SAMPLE RESULT

ND — NOT DETECTED

* — AVERAGE VALUE OF CO-LOCATED RESULTS

^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
1,1,1-TRICHLOROETHANE	38,000	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

1,1,1-TRICHLOROETHANE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

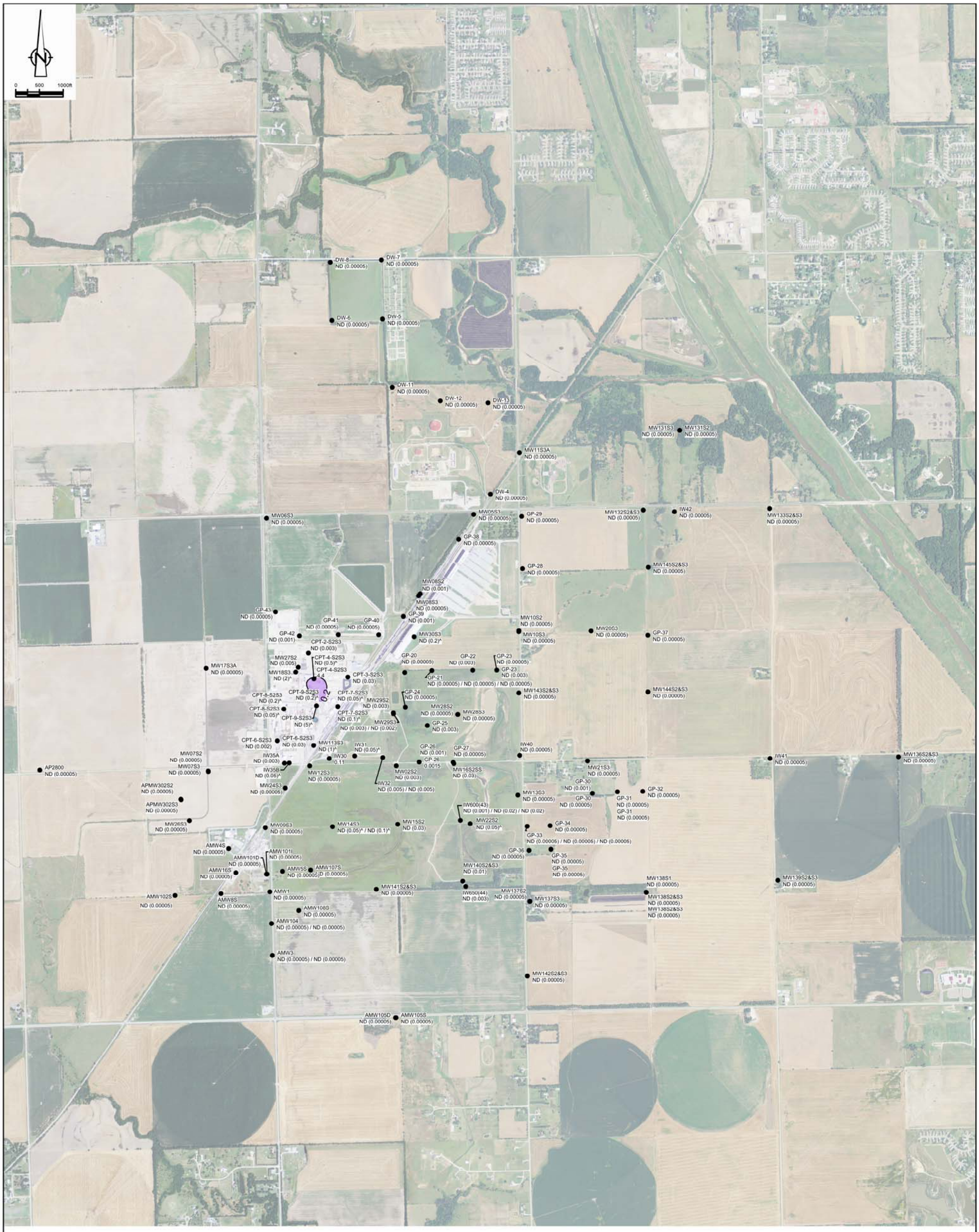
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 11

54046-D21111(036)GN-CO084 MAR 15/2013



LEGEND:

- 0.2 — 1,1,1-TRICHLOROETHANE ISOCONCENTRATION CONTOUR IN mg/L
- AMW1 ND (0.00005) — MONITORING WELL LOCATION AND IDENTIFIER; GROUNDWATER SAMPLE RESULT mg/L
- ND (0.00005) — NOT DETECTED
- * — AVERAGE VALUE OF CO-LOCATED RESULTS
- ^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA			
CHEMICAL NAME	MCL	TAP WATER	UNITS
1,1,1-TRICHLOROETHANE	0.2	7.5	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

N°	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

1,1,1-TRICHLOROETHANE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

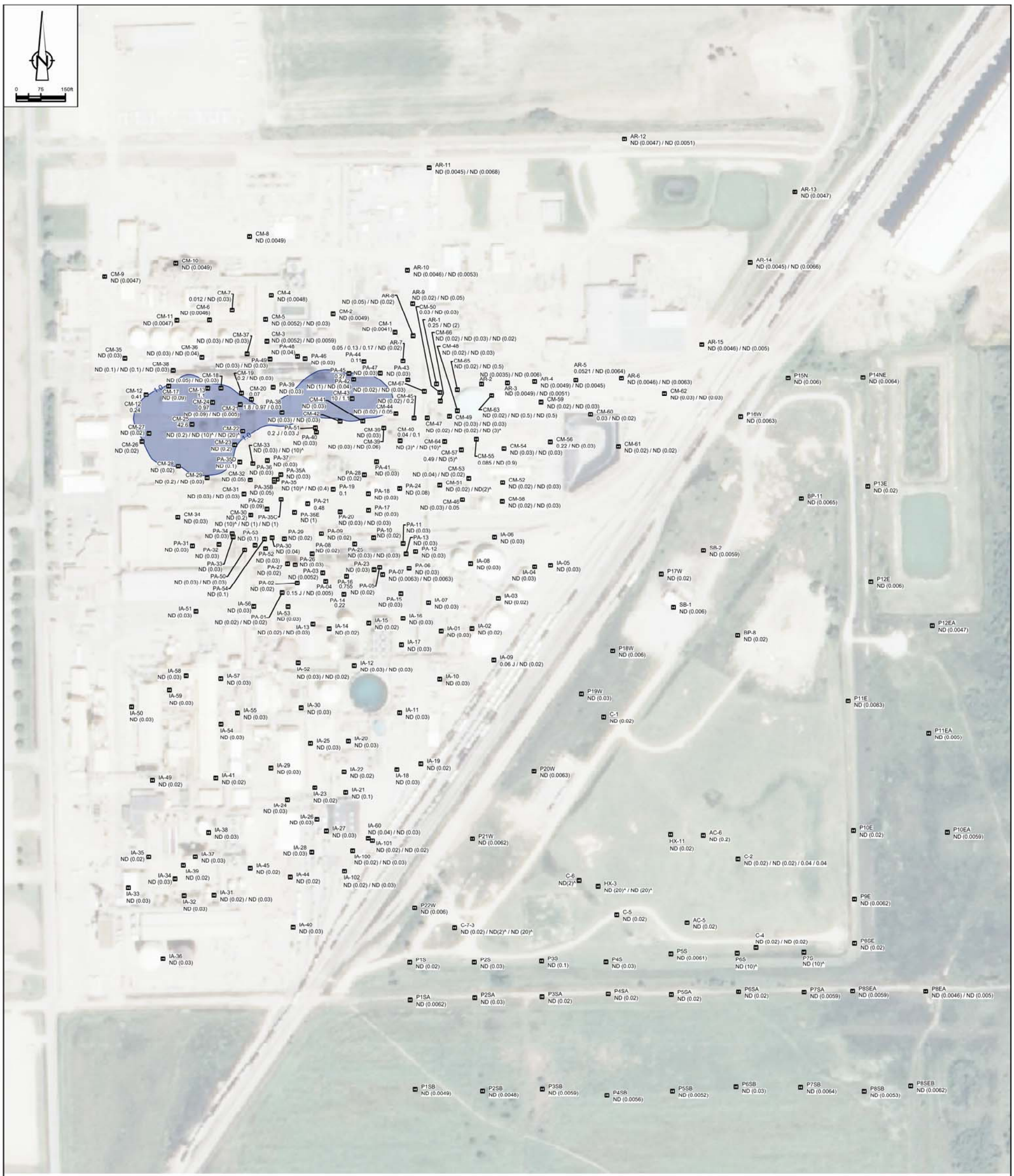
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project N°: 54046-D21111	Report N°: 036	Drawing N°: figure I 12

54046-D21111(036)GN-CO063 MAR 15/2013



LEGEND:

1.0 — 1,2-DICHLOROETHANE ISOCONCENTRATION CONTOUR IN MG/KG

CM-1 — SOIL SAMPLE LOCATION AND IDENTIFIER

ND (0.0041) — SOIL SAMPLE RESULT

ND — NOT DETECTED

* — AVERAGE VALUE OF CO-LOCATED RESULTS

^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
1,2-DICHLOROETHANE	2.2	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

1,2-DICHLOROETHANE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

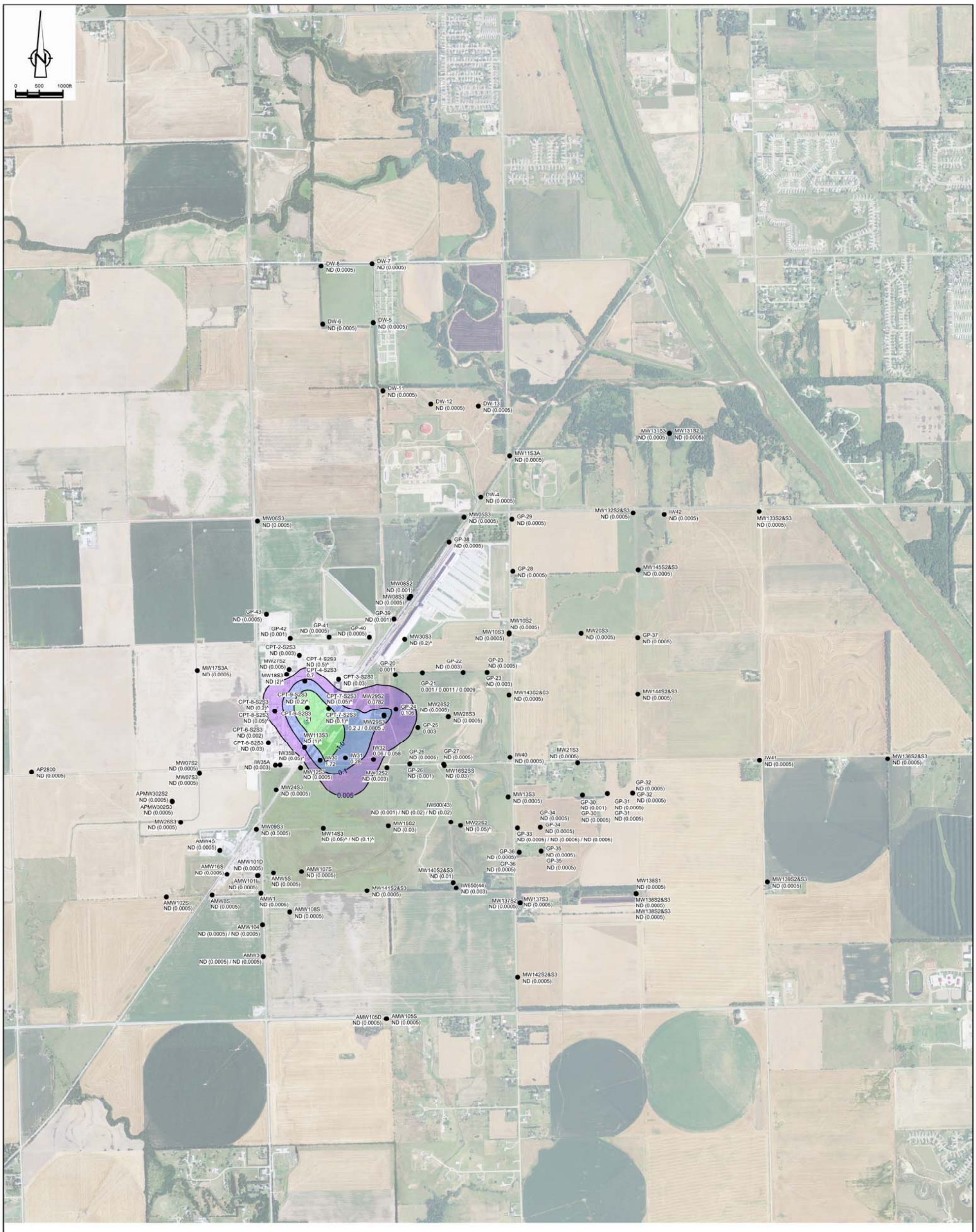
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 13

54046-D21111(036)GN-CO087 MAR 15/2013



LEGEND:

(0.005) 1,2-DICHLOROETHANE ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ND (0.00005) ● MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L

ND (0.00005) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA			
CHEMICAL NAME	MCL	TAP WATER	UNITS
1,2-DICHLOROETHANE	0.005	0.00015	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

1,2-DICHLOROETHANE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

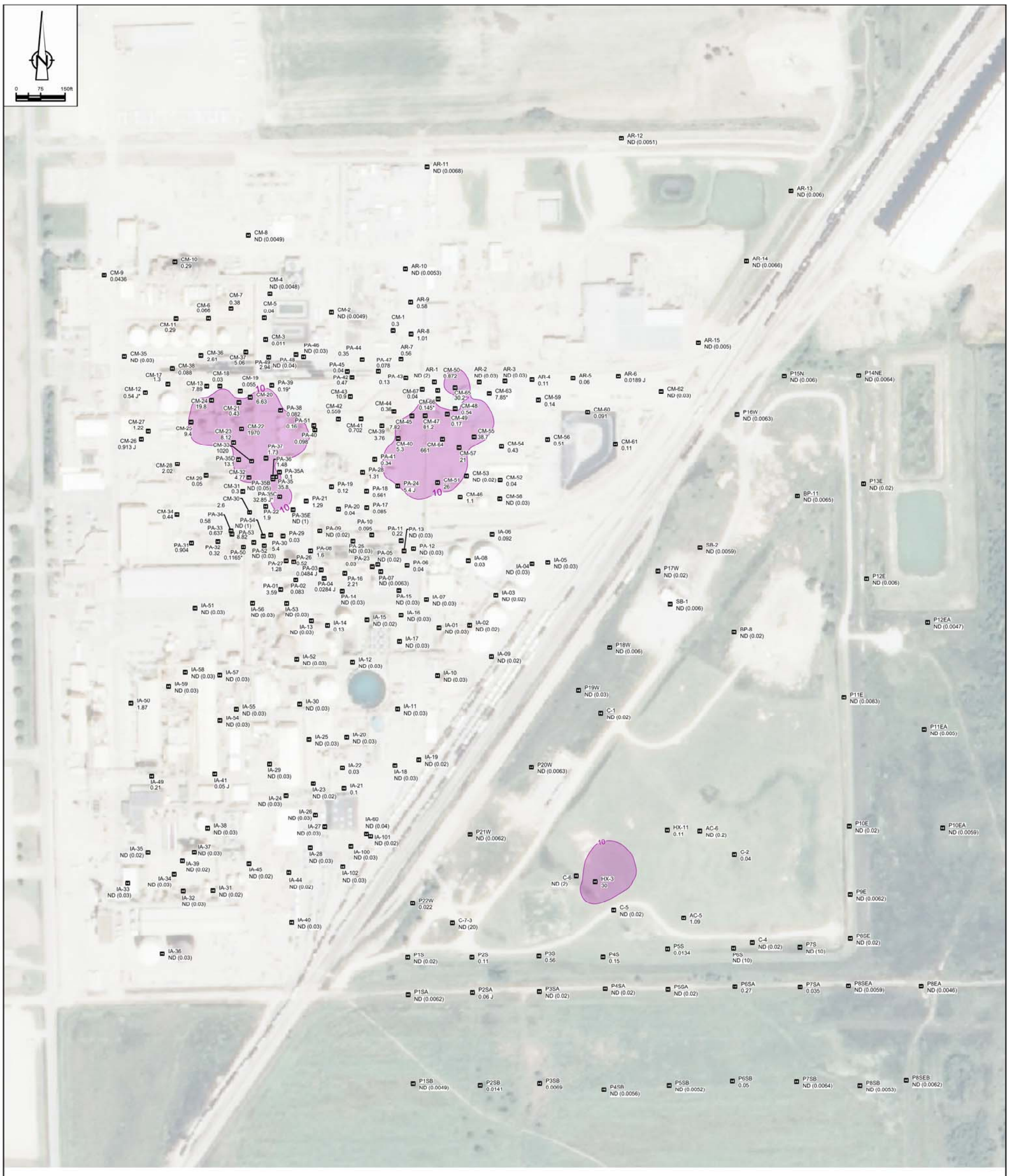
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 14

54046-D21111(036)GN-CO064 MAR 15/2013



LEGEND:

10 — CARBON TETRACHLORIDE ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 0.3 — SOIL SAMPLE LOCATION AND IDENTIFIER; SOIL SAMPLE RESULT

ND — NOT DETECTED

* — AVERAGE VALUE OF CO-LOCATED RESULTS

^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
CARBON TETRACHLORIDE	3	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

CARBON TETRACHLORIDE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

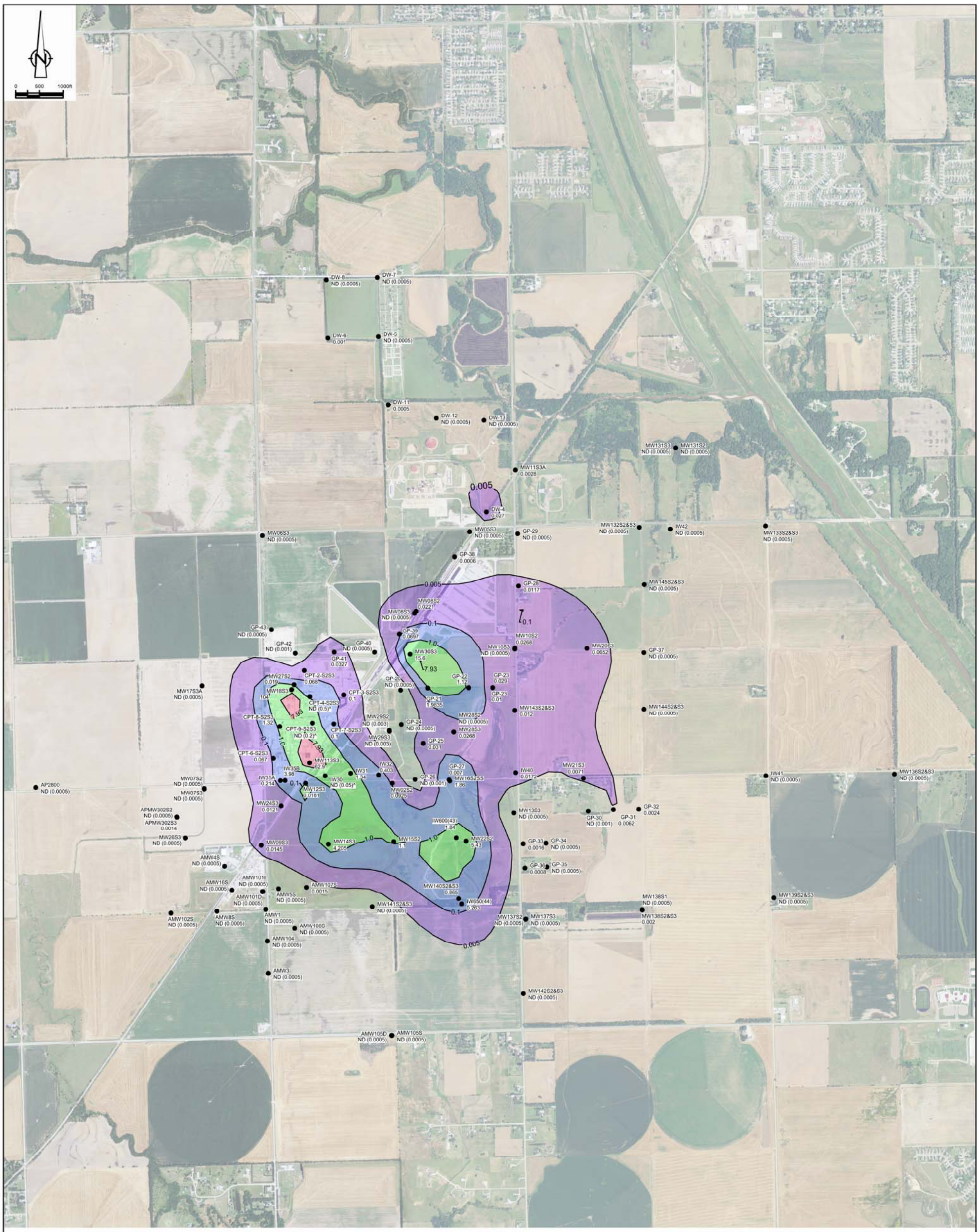
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 15

54046-D21111(036)GN-CO095 MAR 15/2013



LEGEND:

(0.005) CARBON TETRACHLORIDE ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ● MONITORING WELL LOCATION AND IDENTIFIER
ND (0.00005) GROUNDWATER SAMPLE RESULT mg/L

ND (0.00005) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA			
CHEMICAL NAME	MCL	TAP WATER	UNITS
CARBON TETRACHLORIDE	0.005	0.00039	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISOCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

CARBON TETRACHLORIDE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

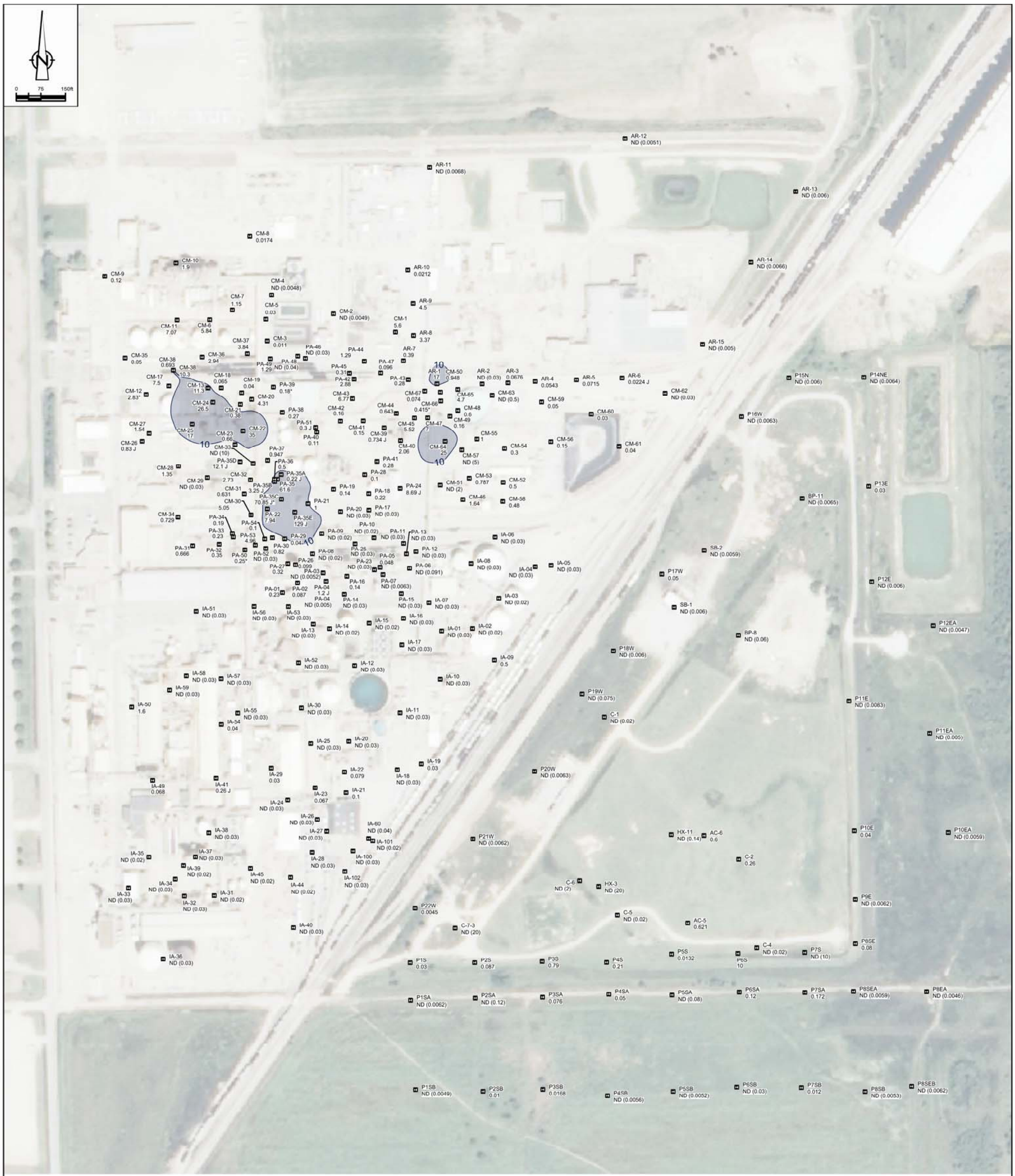
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale:	Project Nº:	Report Nº:	Drawing Nº:
#####	54046-D21111	036	figure I 16

54046-D21111(036)GN-CO074 MAR 15/2013



LEGEND:

10	CHLOROFORM ISOCONCENTRATION CONTOUR IN mg/kg
CM-1 5.6	SOIL SAMPLE LOCATION AND IDENTIFIER SOIL SAMPLE RESULT
ND	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
CHLOROFORM	1.5	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

CHLOROFORM ISOCONCENTRATION CONTOURS IN S2/S3 SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

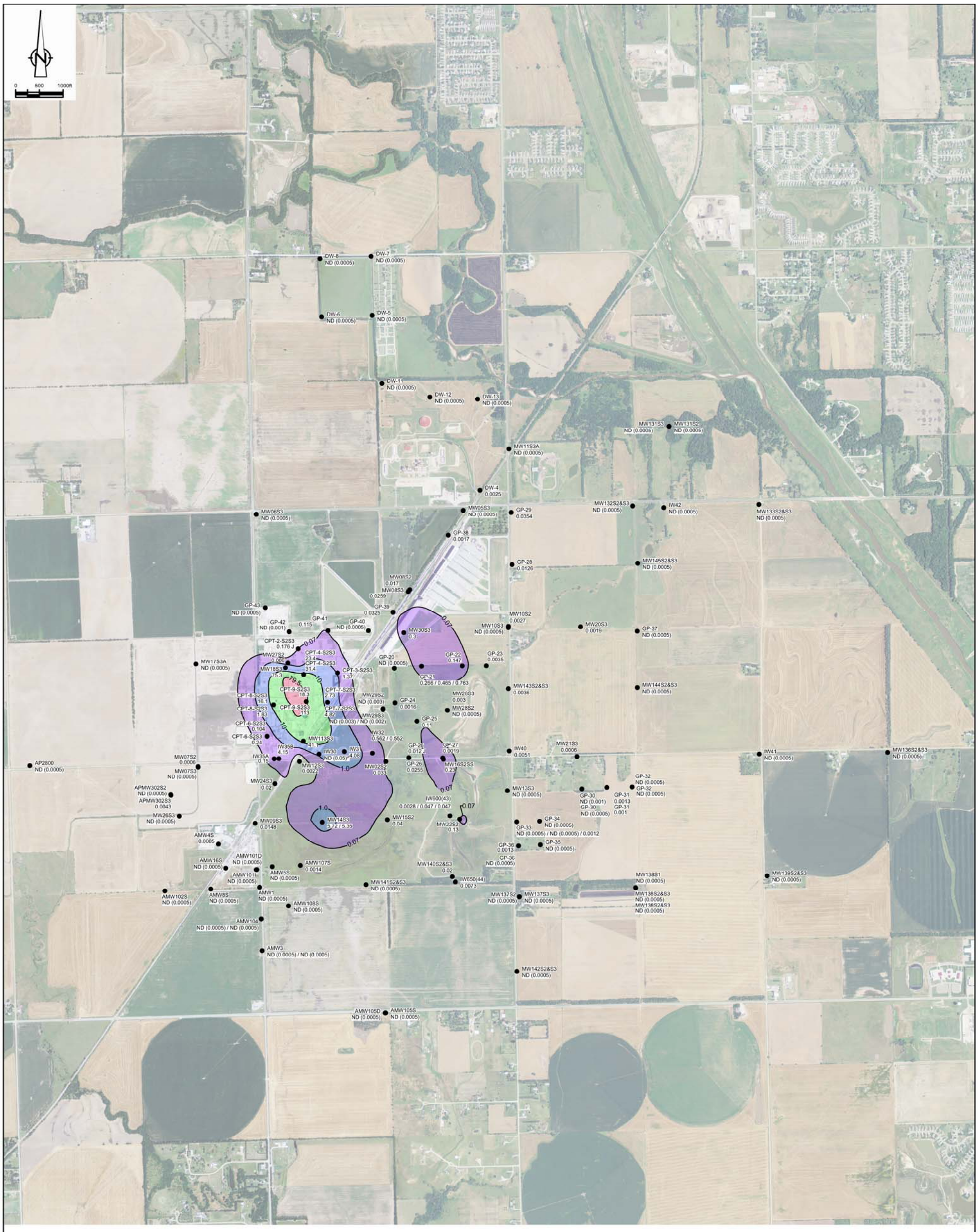
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 17

54046-D21111(036)GN-CO096 MAR 15/2013



LEGEND:

- (0.07) CHLOROFORM ISOCONCENTRATION CONTOUR IN mg/L
- AMW1 ● MONITORING WELL LOCATION AND IDENTIFIER
- ND (0.00005) GROUNDWATER SAMPLE RESULT mg/L
- ND (0.00005) NOT DETECTED
- * AVERAGE VALUE OF CO-LOCATED RESULTS
- ^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
CHLOROFORM	0.08	0.00019	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

CHLORFORM ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

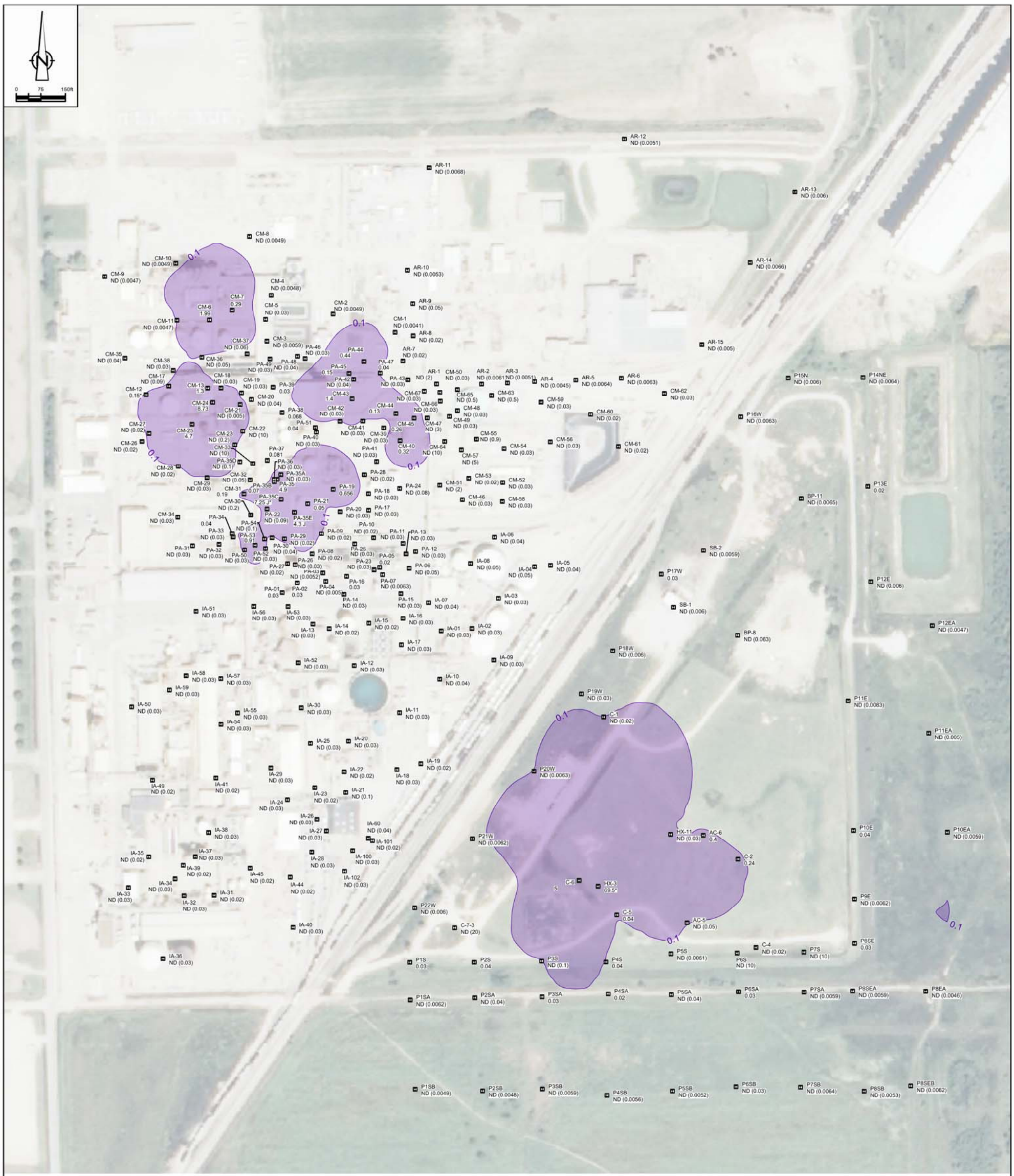
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 18

54046-D21111(036)GN-CO075 MAR 15/2013



LEGEND:

0.1	METHYLENE CHLORIDE ISOCONCENTRATION CONTOUR IN mg/kg
CM-1	SOIL SAMPLE LOCATION AND IDENTIFIER
ND (0.02)	SOIL SAMPLE RESULT
ND	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
METHYLENE CHLORIDE	960	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

METHYLENE CHLORIDE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

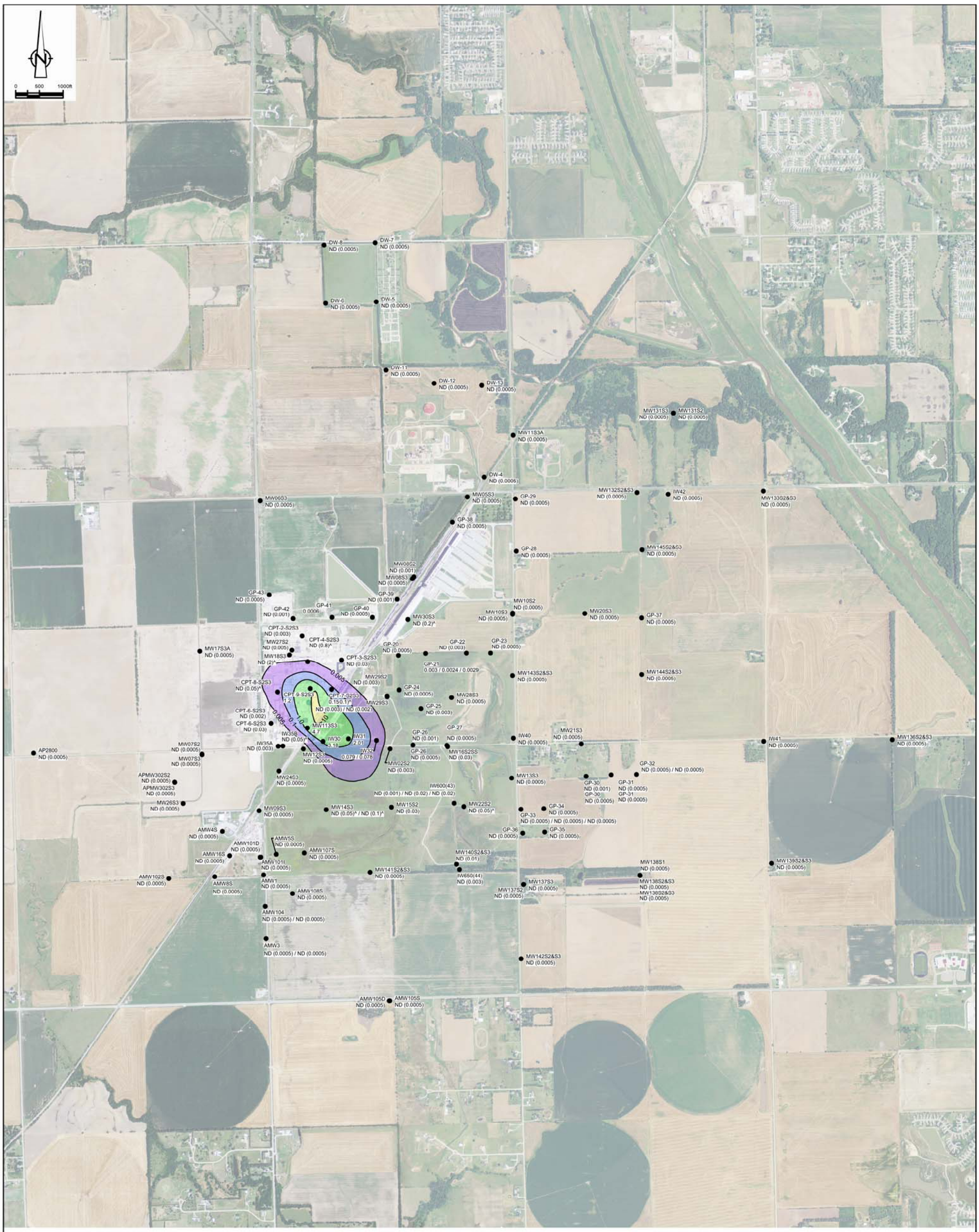
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 19

54046-D21111(036)GN-CO101 MAR 15/2013



LEGEND:

(0.005) METHYLENE CHLORIDE ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ● MONITORING WELL LOCATION AND IDENTIFIER
ND (0.00005) GROUNDWATER SAMPLE RESULT mg/L

ND (0.00005) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
METHYLENE CHLORIDE	0.005	0.0099	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

METHYLENE CHLORIDE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

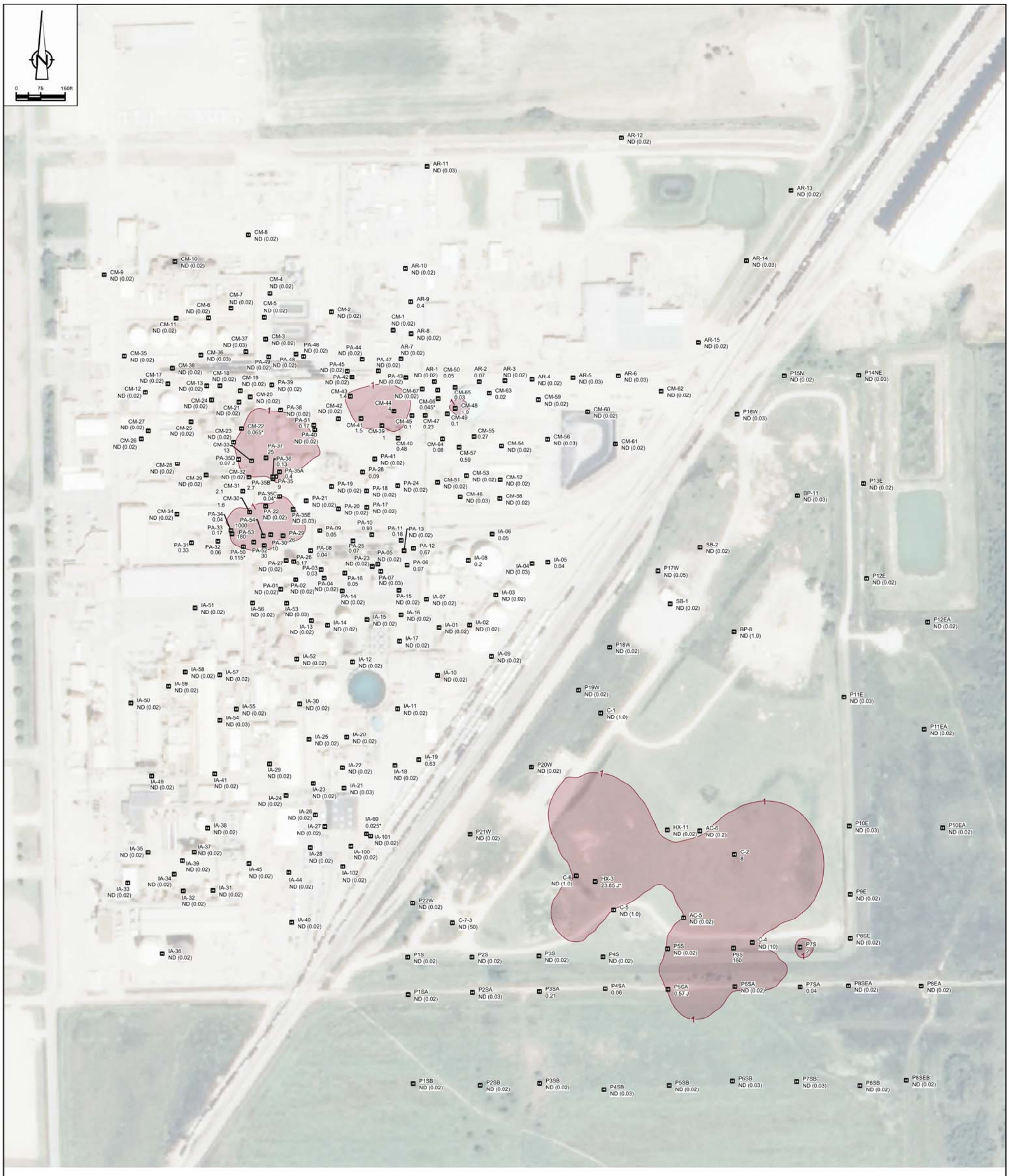
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale:	Project Nº:	Report Nº:	Drawing Nº:
#####	54046-D21111	036	figure I 20

54046-D21111(036)GN-CO080 MAR 15/2013



LEGEND:

1	PENTACHLOROPHENOL ISOCONCENTRATION CONTOUR IN mg/kg
CM-1 ND (0.02)	SOIL SAMPLE LOCATION AND IDENTIFIER SOIL SAMPLE RESULT
ND	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
PENTACHLOROPHENOL	2.7	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

PENTACHLOROPHENOL ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

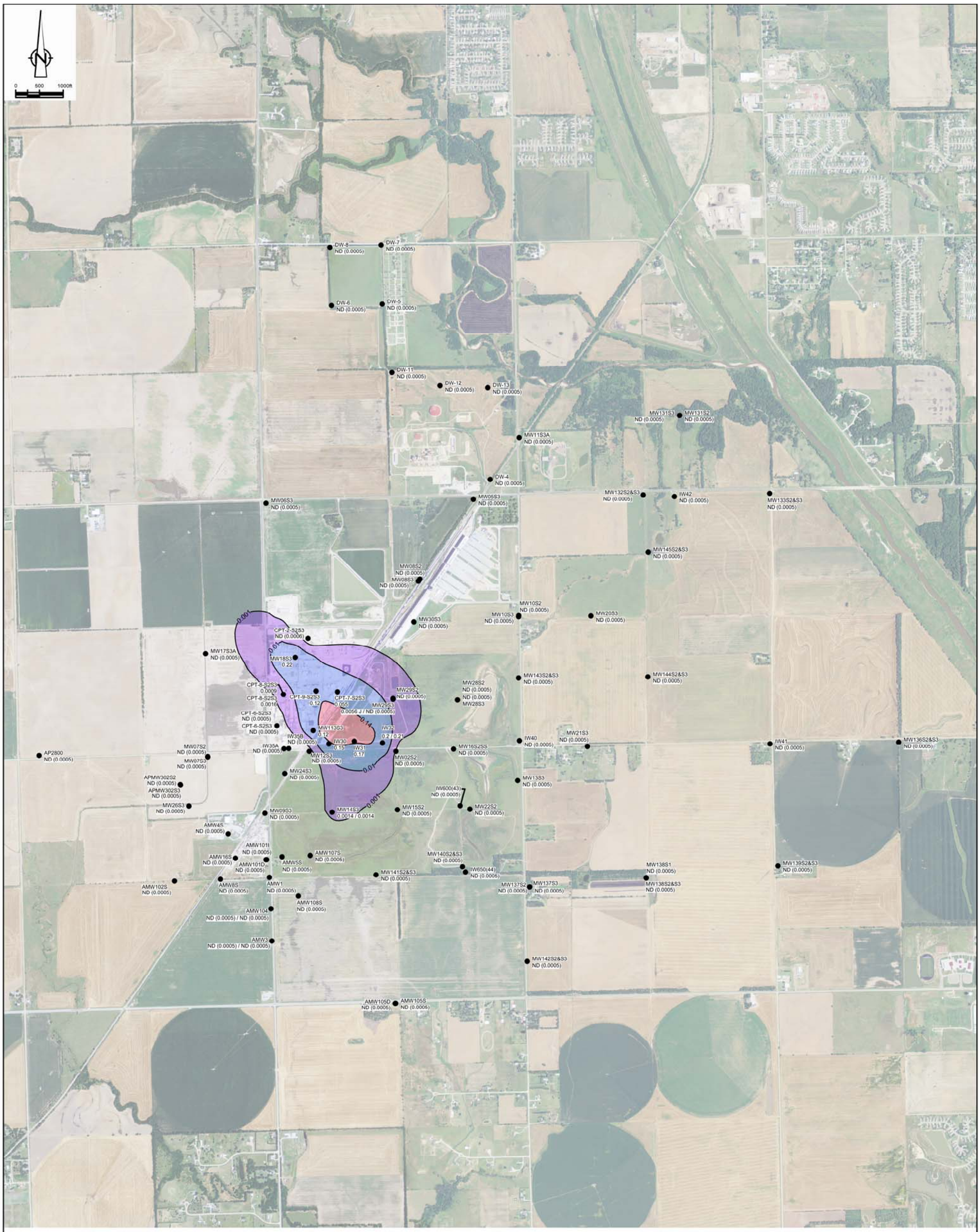
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 21

54046-D21111(036)GN-CO102 MAR 15/2013



LEGEND:

(0.001)	PENTACHLOROPHENOL ISOCONCENTRATION CONTOUR IN mg/L
AMW1 ● ND (0.00005)	MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L
ND (0.00005)	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
PENTACHLOROPHENOL	0.001	0.000035	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

PENTACHLOROPHENOL ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

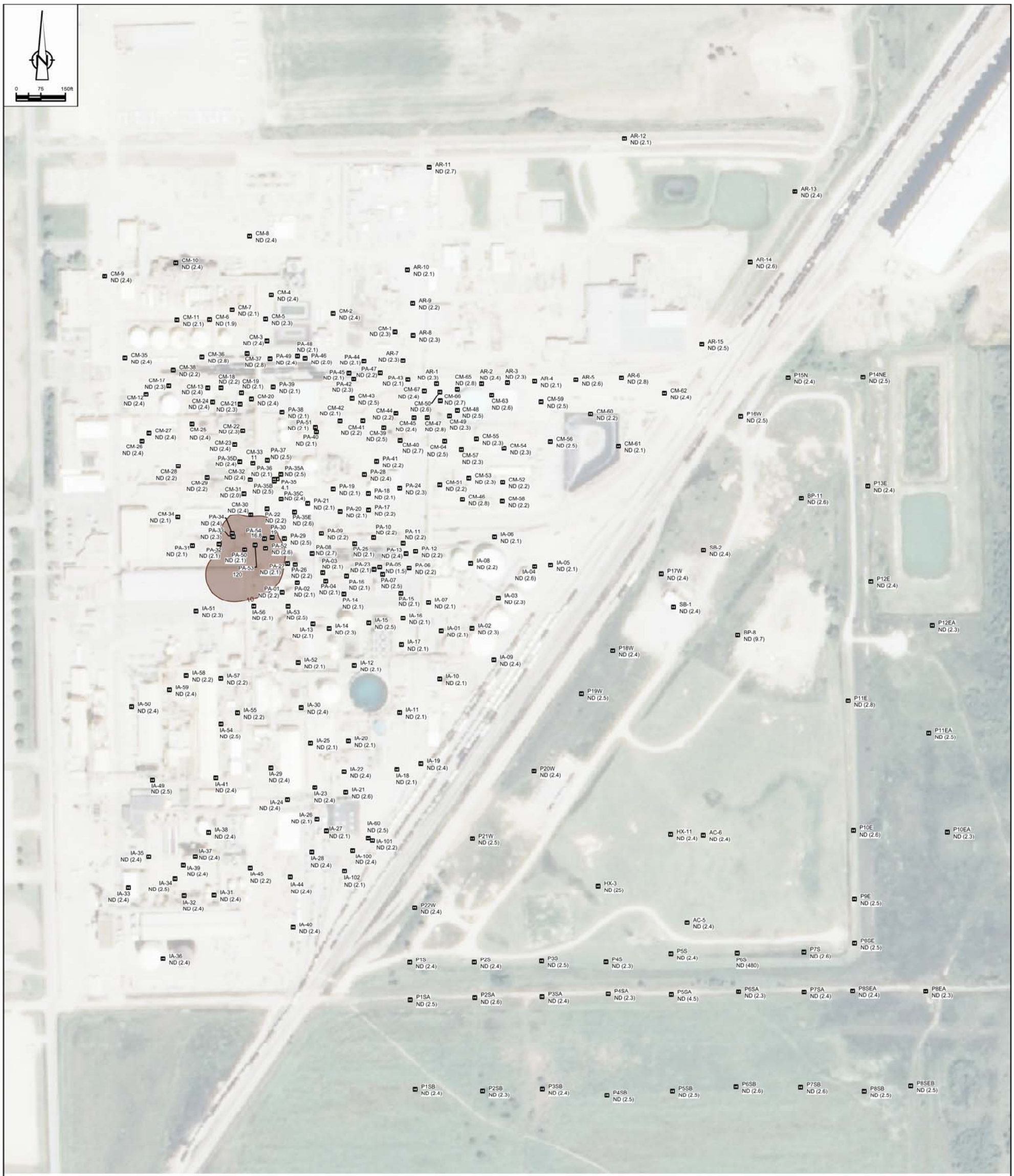
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 22

54046-D21111(036)GN-CO081 MAR 15/2013



LEGEND:

10 — 2,3,4,6-TETRACHLOROPHENOL ISOCONCENTRATION CONTOUR IN MG/KG

CM-1 — SOIL SAMPLE LOCATION AND IDENTIFIER

ND (0.0041) — SOIL SAMPLE RESULT

ND — NOT DETECTED

* — AVERAGE VALUE OF CO-LOCATED RESULTS

^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
2,3,4,6-TETRACHLOROPHENOL	18,000	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2,3,4,6-TETRACHLOROPHENOL ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

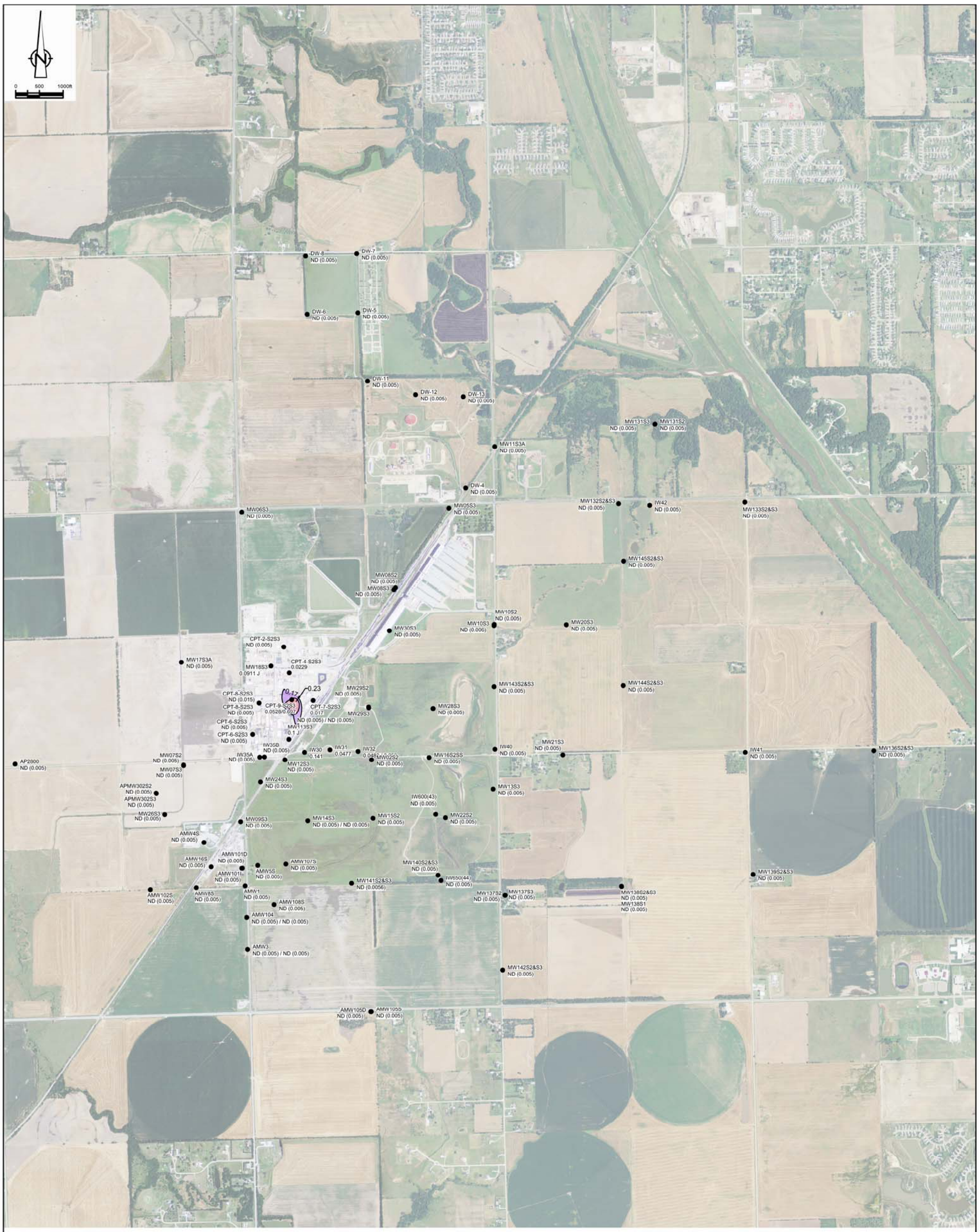
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 23

54046-D21111(036)GN-CO086 MAR 15/2013



LEGEND:

- (0.17) 2,3,4,6-TETRACHLOROPHENOL ISOCONCENTRATION CONTOUR IN mg/L
- AMW1 ND (0.005) ● MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L
- ND (0.005) NOT DETECTED
- ★ AVERAGE VALUE OF CO-LOCATED RESULTS
- ^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
2,3,4,6-TETRACHLOROPHENOL	--	0.17	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2,3,4,6-TETRACHLOROPHENOL ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

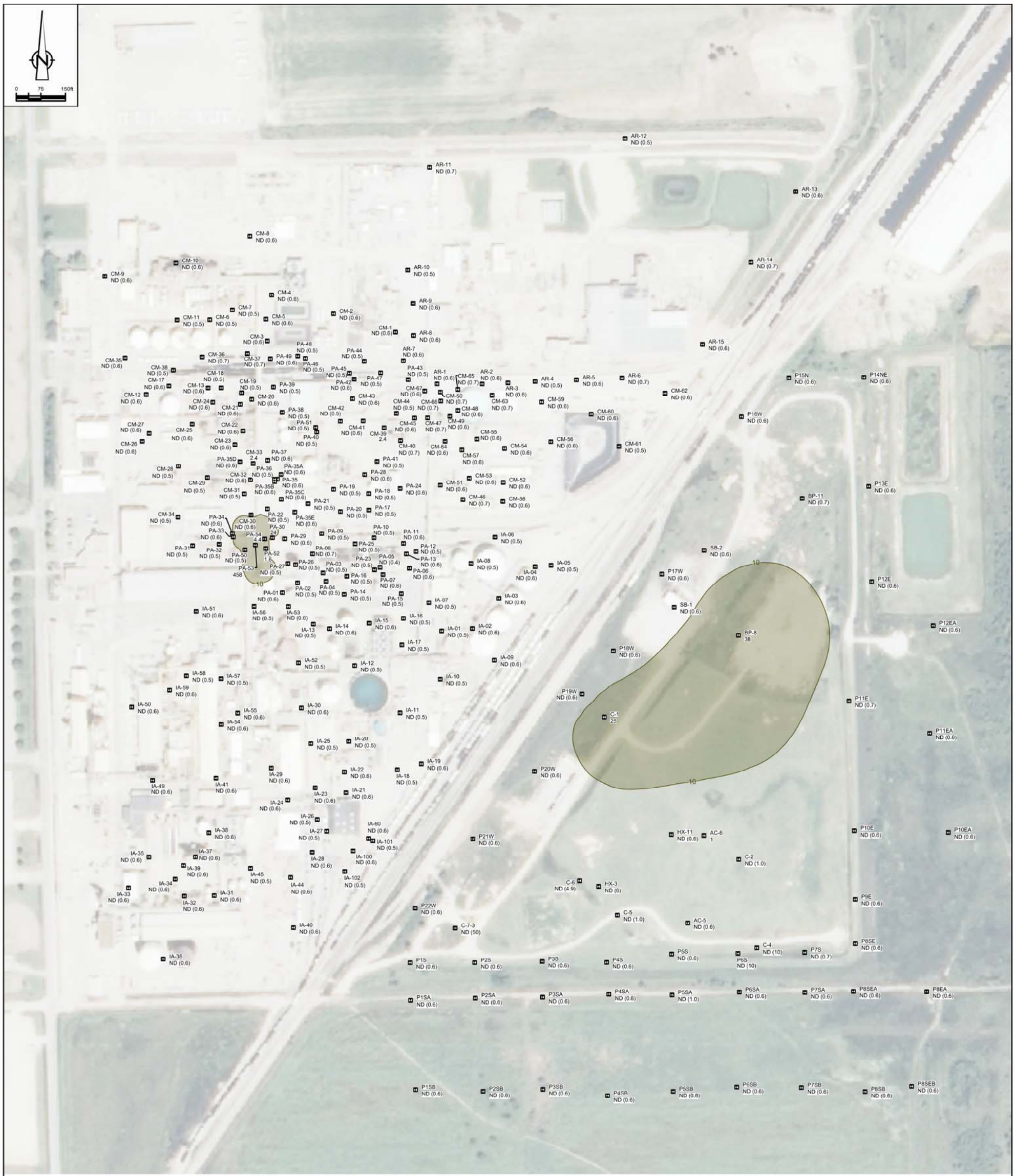
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 24

54046-D21111(036)GN-CO066 MAR 15/2013



LEGEND:

10 — 2,4,6-TRICHLOROPHENOL ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 — SOIL SAMPLE LOCATION AND IDENTIFIER
ND (0.6) — SOIL SAMPLE RESULT

ND — NOT DETECTED

* — AVERAGE VALUE OF CO-LOCATED RESULTS

^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
2,4,6-TRICHLOROPHENOL	160	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2,4,6-TRICHLOROPHENOL ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

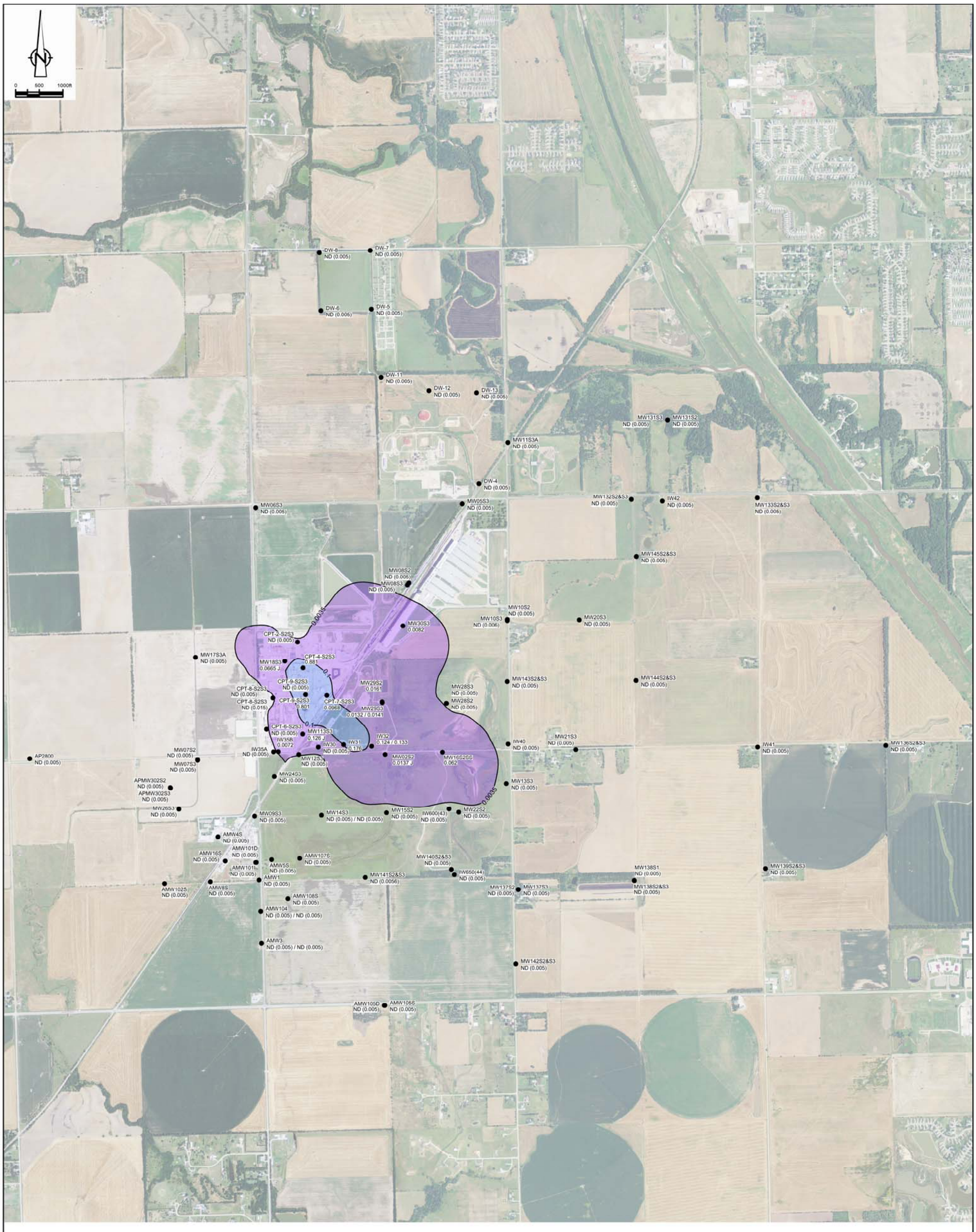
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 25

54046-D21111(036)GN-CO088 MAR 15/2013



LEGEND:

(0.0035) 2,4,6-TRICHLOROPHENOL ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ● MONITORING WELL LOCATION AND IDENTIFIER
ND (0.005) GROUNDWATER SAMPLE RESULT mg/L

ND (0.005) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
2,4,6-TRICHLOROPHENOL	--	0.0035	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2,4,6-TRICHLOROPHENOL ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

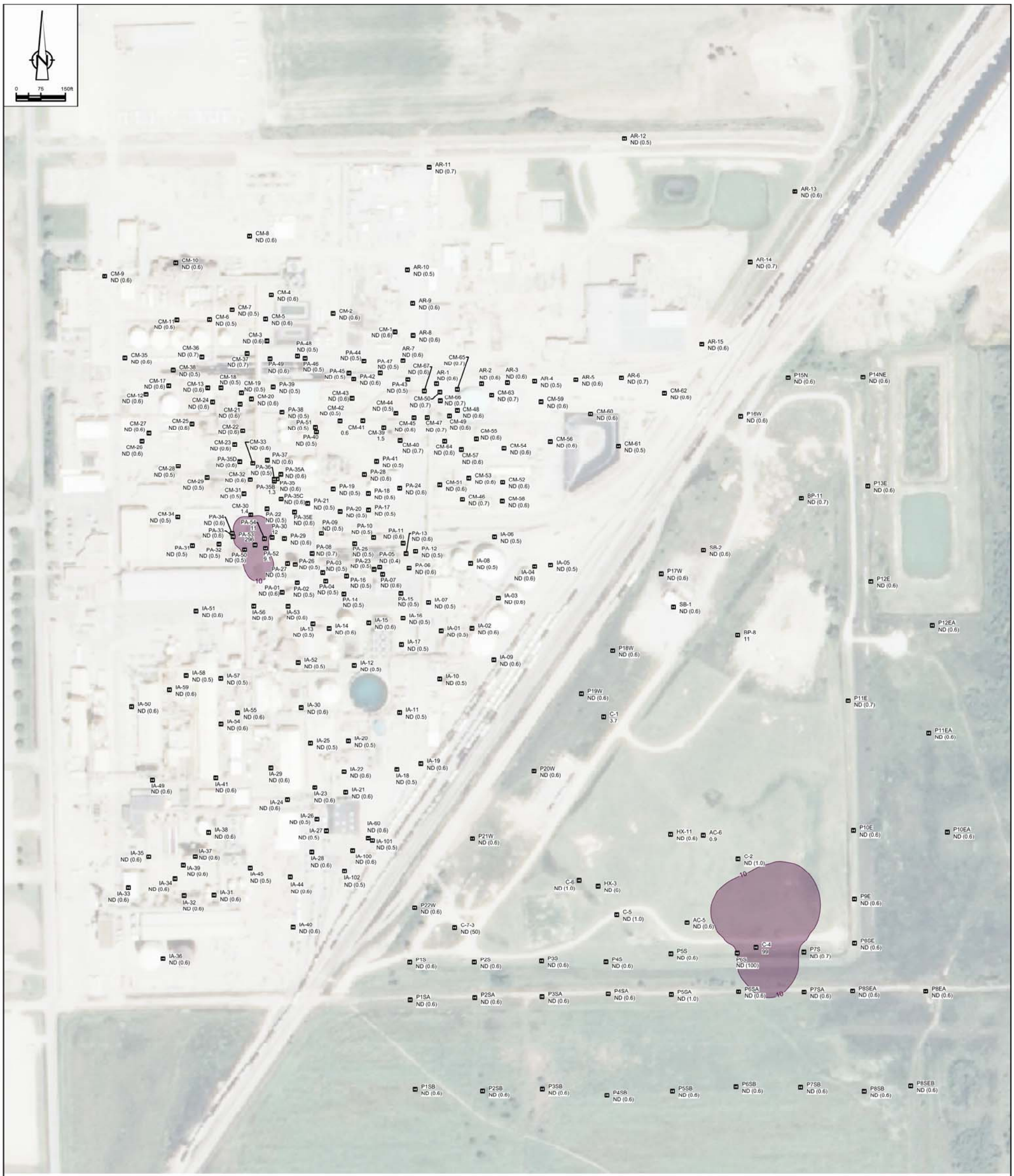
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 26

54046-D21111(036)GN-CO067 MAR 15/2013



LEGEND:

10	2,4-DICHLOROPHENOL ISOCONCENTRATION CONTOUR IN mg/kg
CM-1 ND (0.6)	SOIL SAMPLE LOCATION AND IDENTIFIER SOIL SAMPLE RESULT
ND	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
2,4-DICHLOROPHENOL	1,800	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2,4-DICHLOROPHENOL ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

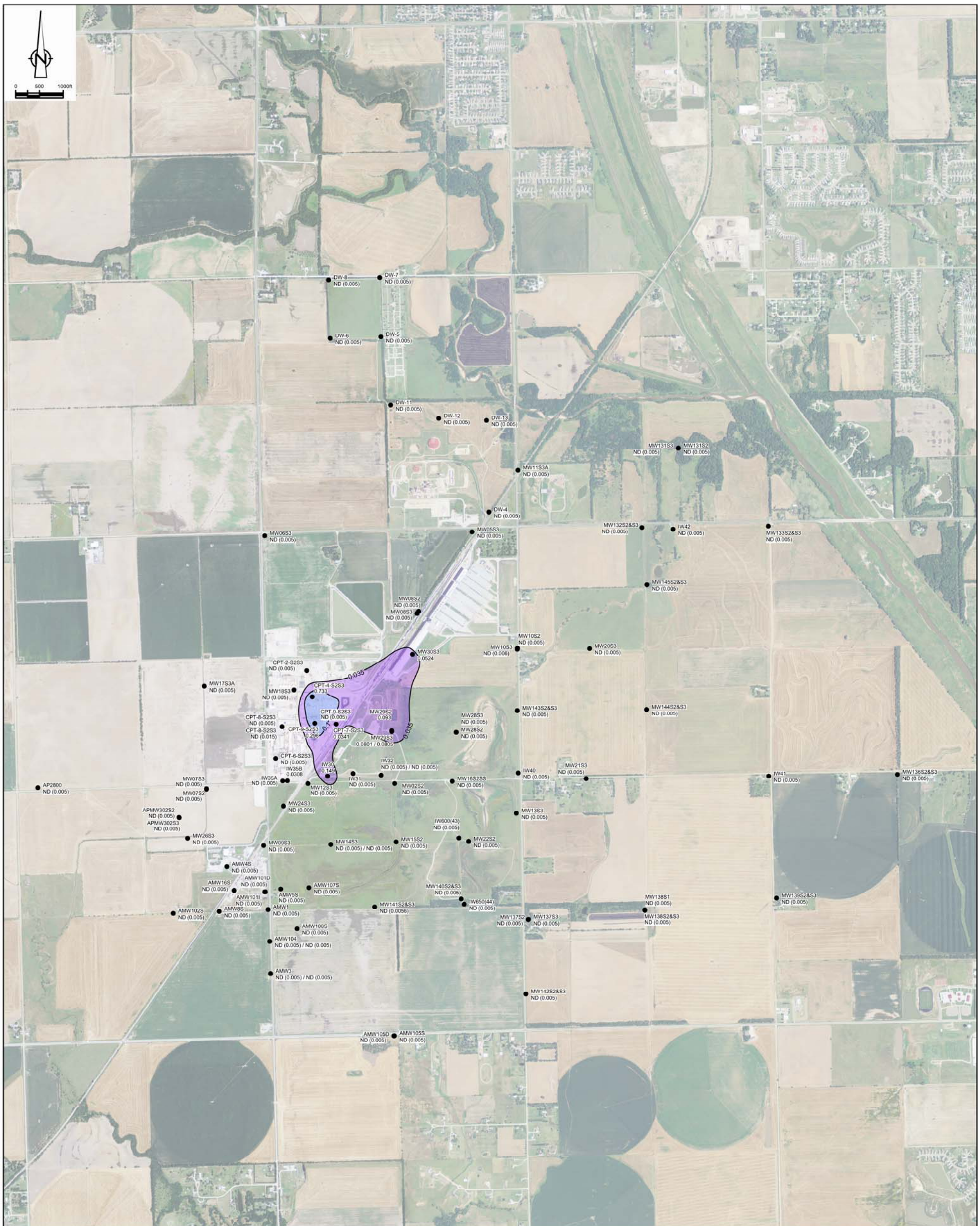
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 27

54046-D21111(036)GN-CO089 MAR 15/2013



LEGEND:

(0.035) 2,4-DICHLOROPHENOL ACID ISOCONCENTRATION CONTOUR IN MG/L

AMW1 ● MONITORING WELL LOCATION AND IDENTIFIER
ND (0.005) GROUNDWATER SAMPLE RESULT mg/L

ND (0.005) NOT DETECTED

★ AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
2,4-DICHLOROPHENOL	--	0.035	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2,4-DICHLOROPHENOL ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

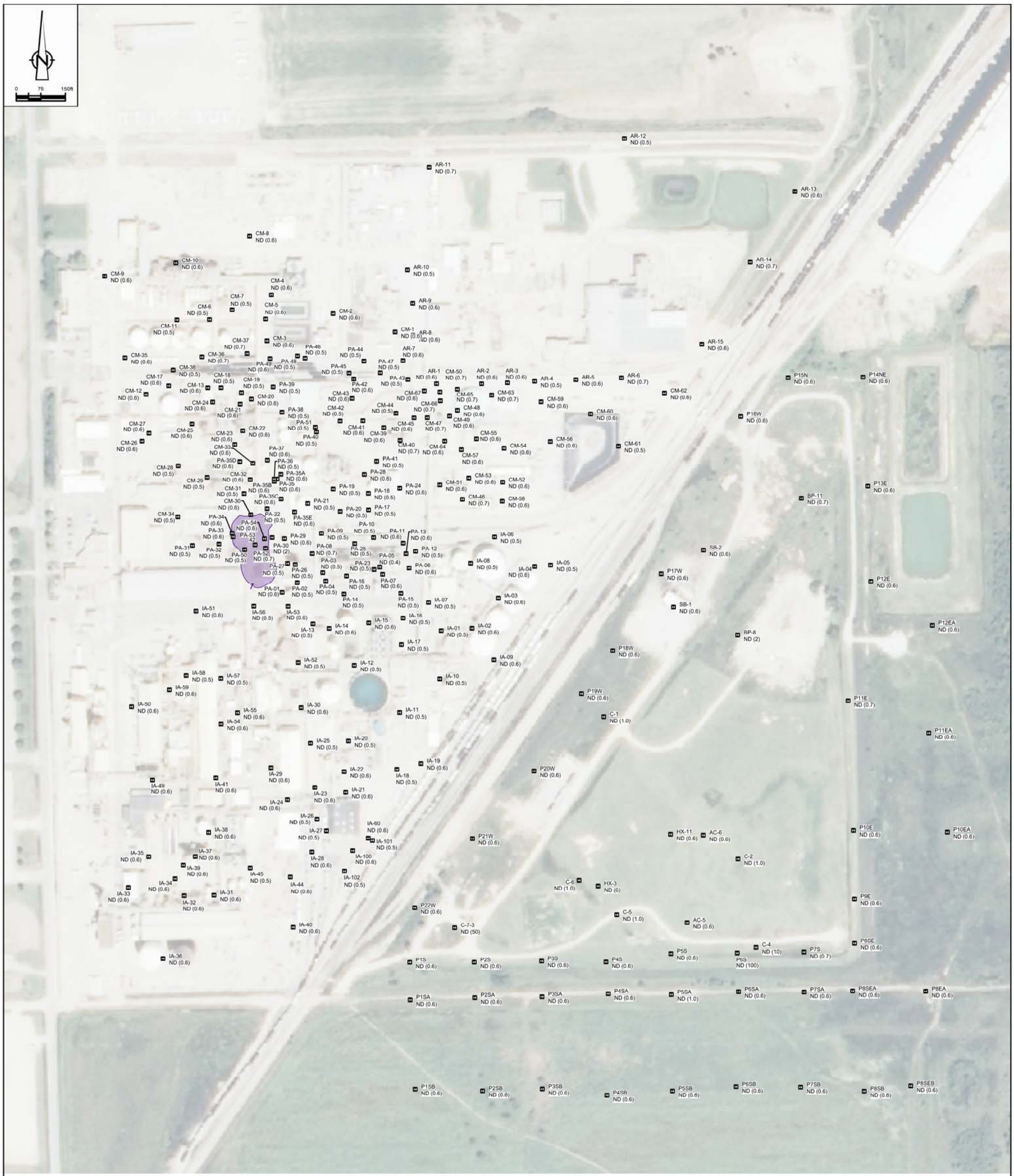
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 28

54046-D21111(036)GN-CO068 MAR 15/2013



LEGEND:

(1) 2-CHLOROPHENOL ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 SOIL SAMPLE LOCATION AND IDENTIFIER
ND (0.02) SOIL SAMPLE RESULT

ND NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
2-CHLOROPHENOL	5,100	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2-CHLOROPHENOL
ISOCONCENTRATION CONTOURS IN SOIL AND
ANALYTICAL RESULTS USED TO GENERATE
ISOCONCENTRATION CONTOUR

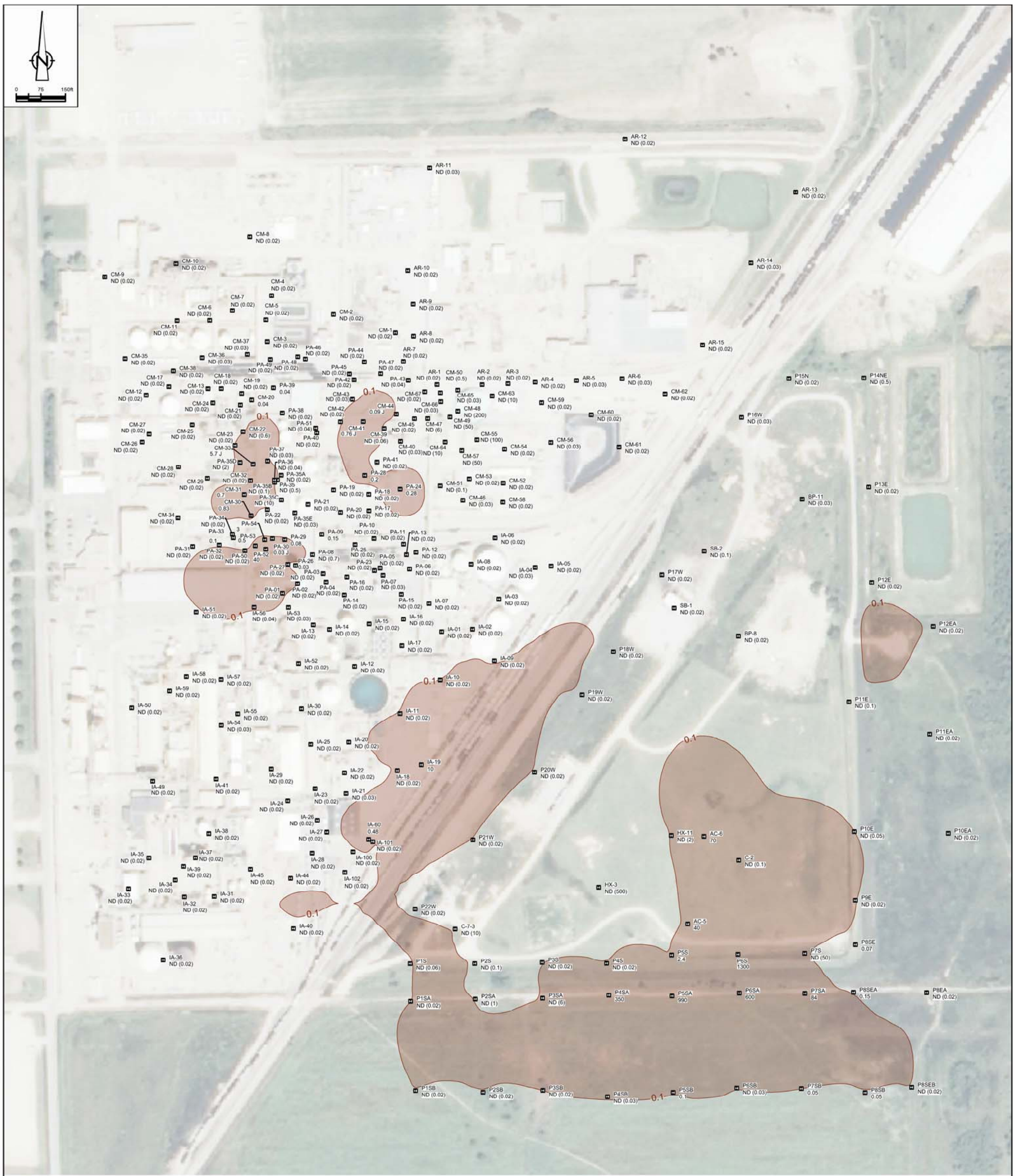
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 29

54046-D21111(036)GN-CO091 MAR 15/2013



LEGEND:

0.1	ALPHA-BHC ISOCONCENTRATION CONTOUR IN mg/kg
CM-1	SOIL SAMPLE LOCATION AND IDENTIFIER
ND (0.02)	SOIL SAMPLE RESULT
ND	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
ALPHA-BHC	0.27	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

ALPHA-BHC ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

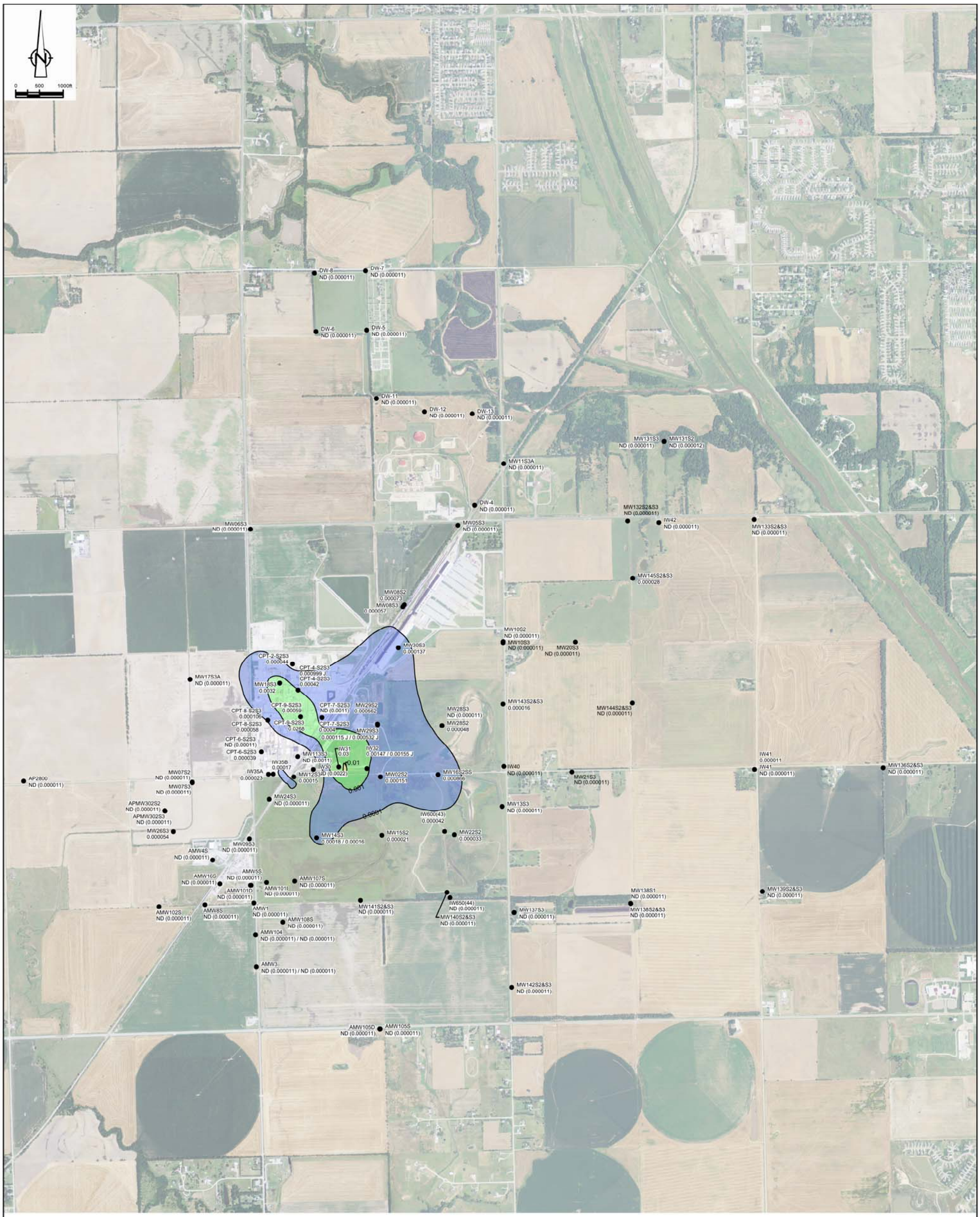
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 30

54046-D21111(036)GN-CO092 MAR 15/2013



LEGEND:

(0.0001) ALPHA-BHC ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ● ND (0.00005) MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L

ND (0.00005) NOT DETECTED

★ AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA			
CHEMICAL NAME	MCL	TAP WATER	UNITS
ALPHA-BHC	--	0.0000062	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

ALPHA-BHC ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale:	Project Nº:	Report Nº:	Drawing Nº:
#####	54046-D21111	036	figure I 31

54046-D21111(036)GN-CO071 MAR 15/2013

LEGEND:

1 — BETA-BHC ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 — SOIL SAMPLE LOCATION AND IDENTIFIER

ND (0.02) — SOIL SAMPLE RESULT

ND — NOT DETECTED

* — AVERAGE VALUE OF CO-LOCATED RESULTS

^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
BETA-BHC	0.96	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

BETA-BHC ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

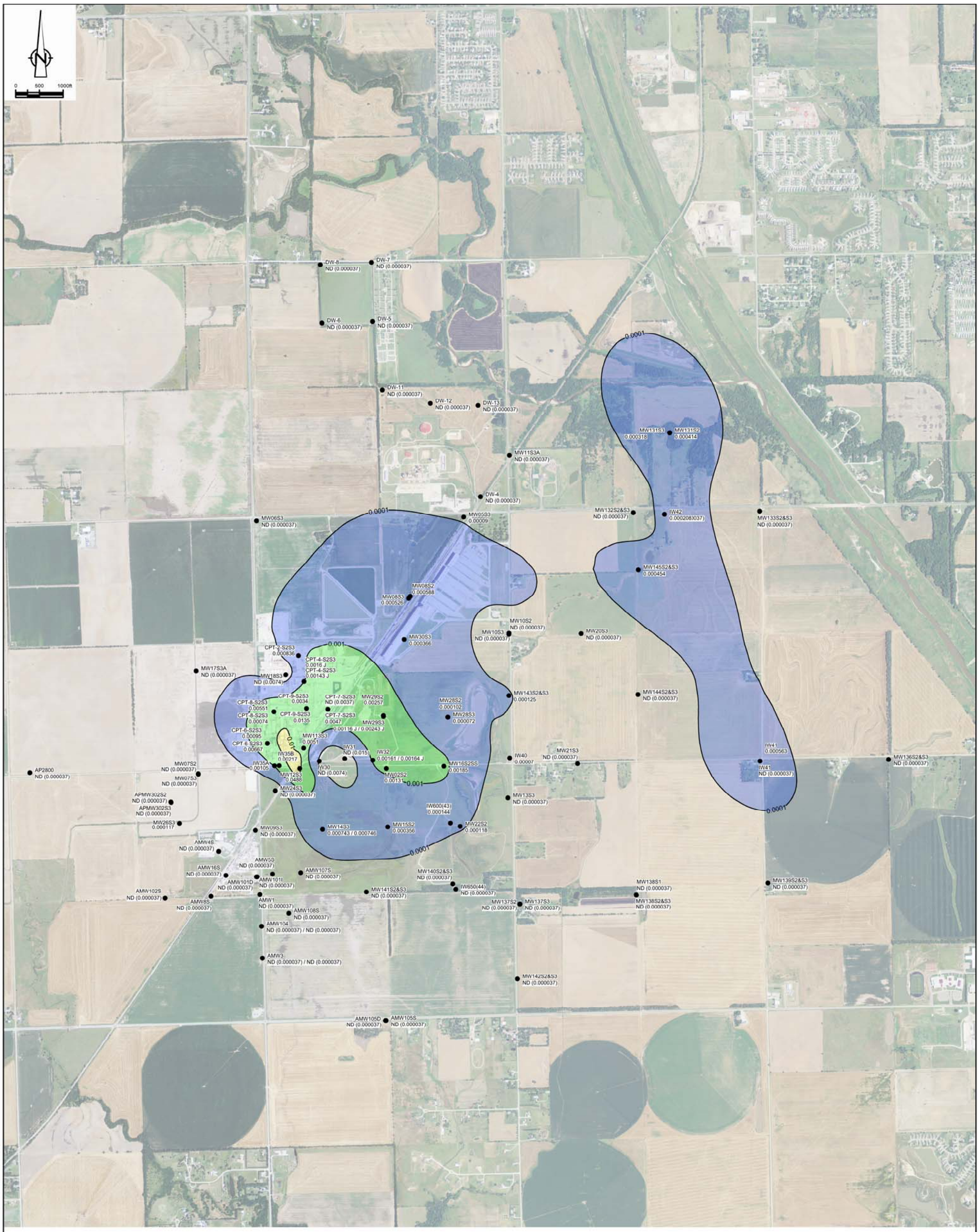
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 32

54046-D21111(036)GN-CO094 MAR 15/2013



LEGEND:

(0.0001)	BETA-BHC ISOCONCENTRATION CONTOUR IN mg/L
AMW1 ● ND (0.00005)	MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L
ND (0.00005)	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
BETA-BHC	--	0.000022	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISOCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

BETA-BHC ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

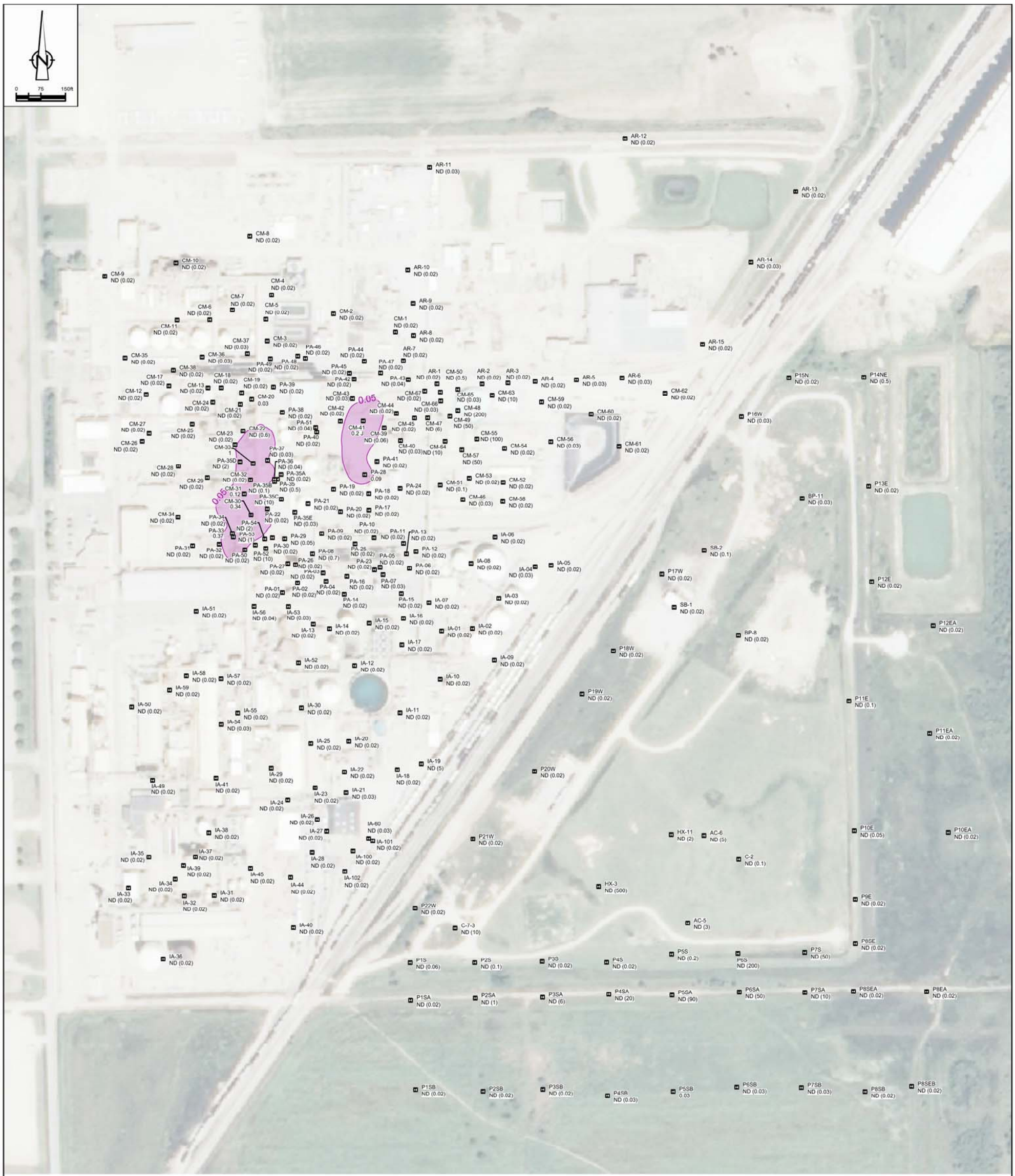
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 33

54046-D21111(036)GN-CO073 MAR 15/2013



LEGEND:

0.05	GAMMA-BHC ISOCONCENTRATION CONTOUR IN mg/kg
CM-1	SOIL SAMPLE LOCATION AND IDENTIFIER
ND (0.02)	SOIL SAMPLE RESULT
ND	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
GAMMA-BHC	2.1	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NO	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

GAMMA-BHC ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

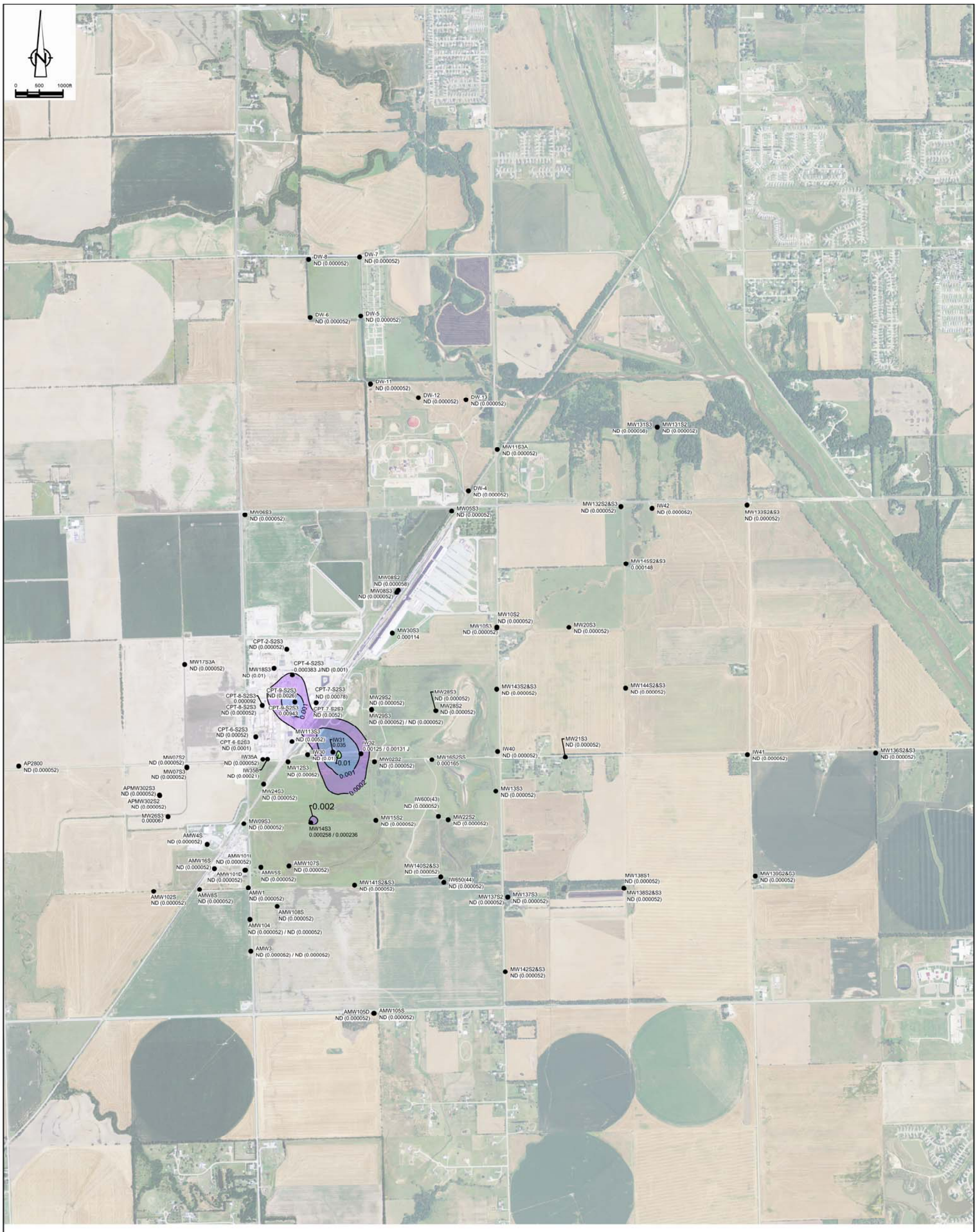
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project No: 54046-D21111	Report No: 036	Drawing No: figure I34

54046-D21111(036)GN-CO097 MAR 15/2013



LEGEND:

0.0002	GAMMA-BHC ISOCONCENTRATION CONTOUR IN mg/L
AMW1 ● ND (0.000052)	MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L
ND (0.000052)	NOT DETECTED
*	AVERAGE VALUE OF CO-LOCATED RESULTS
^	ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
GAMMA-BHC	0.0002	0.000036	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

GAMMA-BHC ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

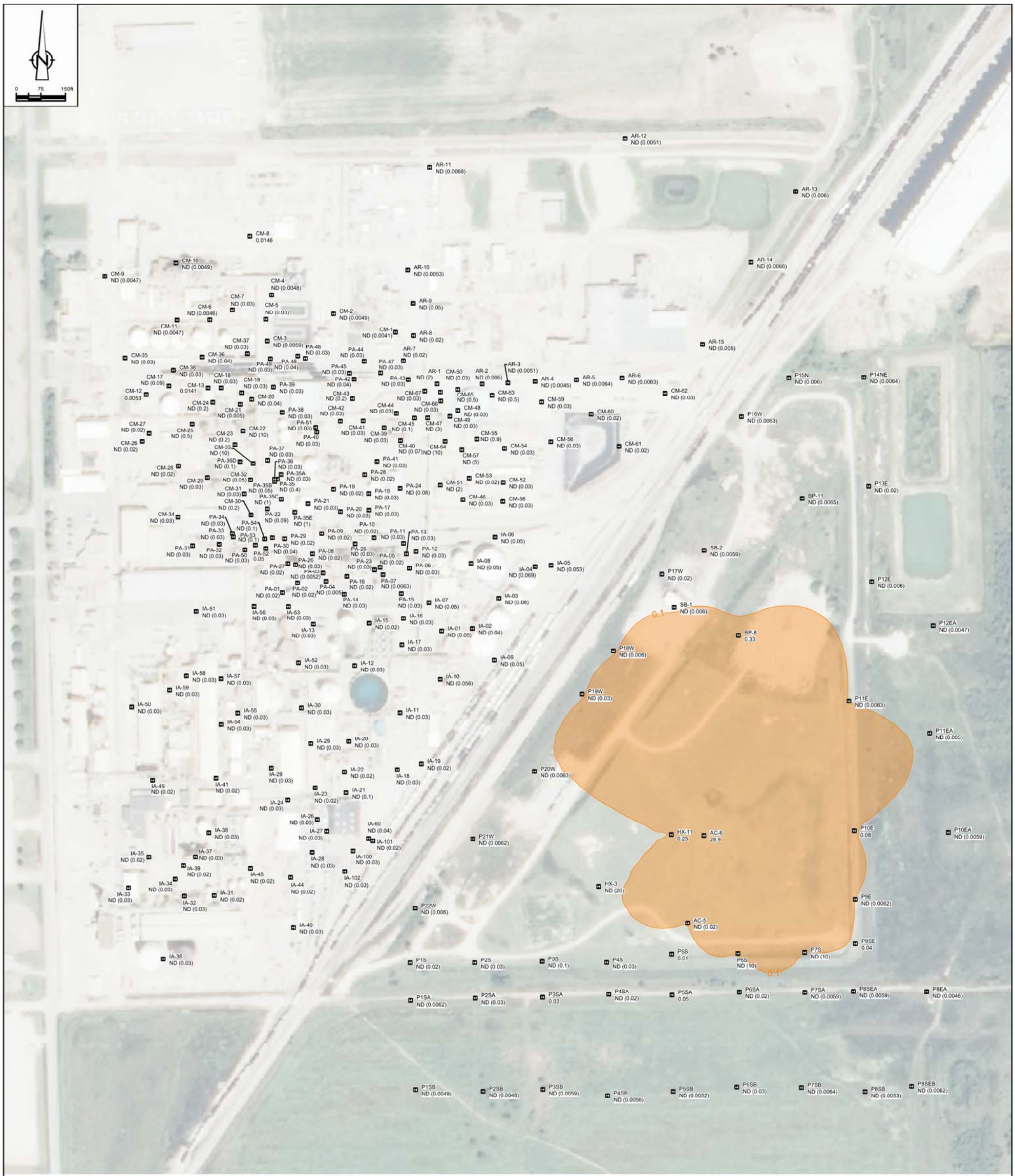
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 35

54046-D21111(036)GN-CO076 MAR 15/2013



LEGEND:

0.1 BENZENE ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 ND (0.02) SOIL SAMPLE LOCATION AND IDENTIFIER / SOIL SAMPLE RESULT

ND NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
BENZENE	5.4	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

BENZENE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

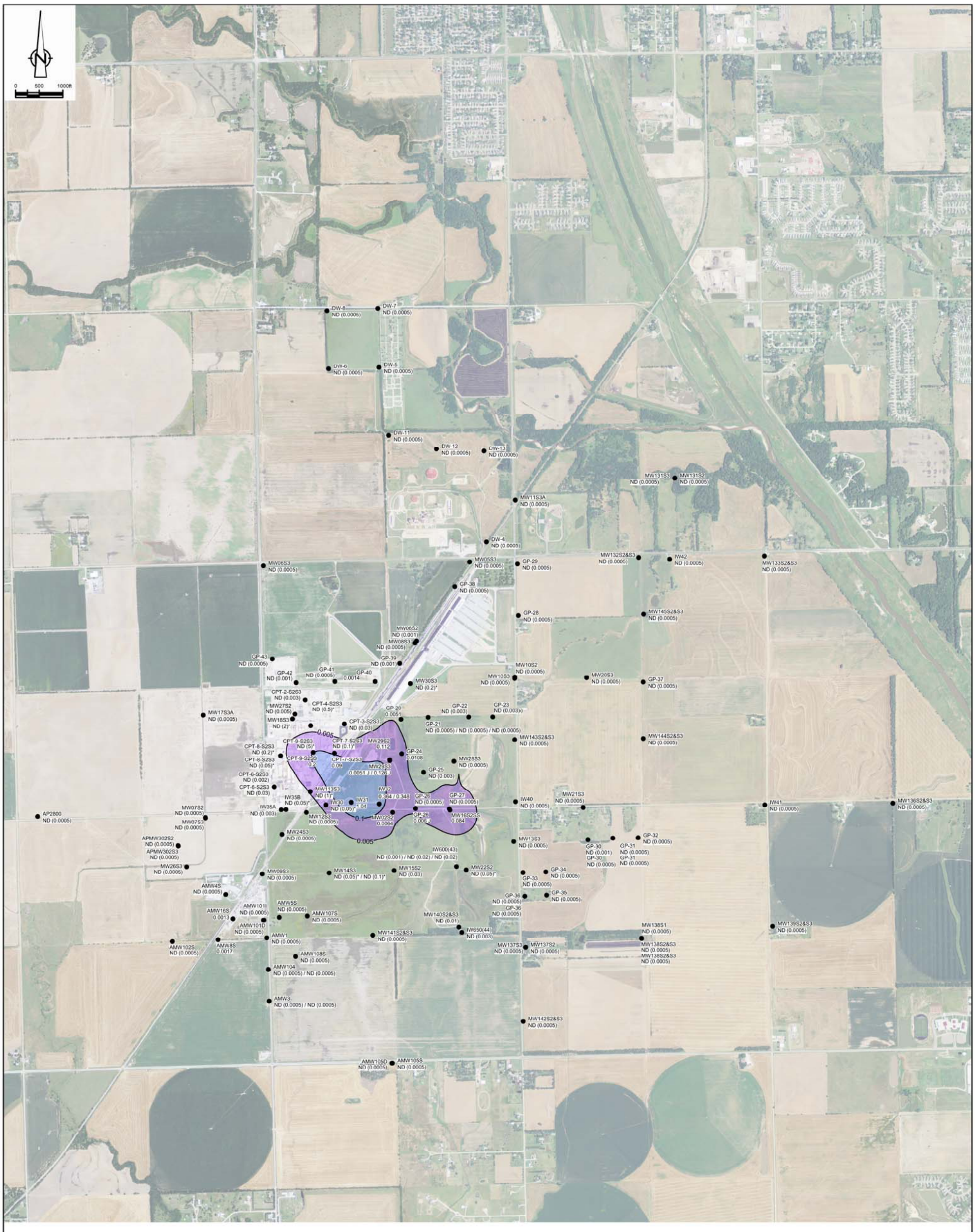
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 36

54046-D21111(036)GN-CO093 MAR 15/2013



LEGEND:

- (0.005) BENZENE ISOCONCENTRATION CONTOUR IN mg/L
- AMW1 ● ND (0.00005) MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L
- ND (0.00005) NOT DETECTED
- * AVERAGE VALUE OF CO-LOCATED RESULTS
- ^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
BENZENE	0.005	0.00039	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

BENZENE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 37

54046-D21111(036)GN-CO072 MAR 15/2013

LEGEND:

TOLUENE ISOCONCENTRATION CONTOUR IN mg/kg

AR-1 SOIL SAMPLE LOCATION AND IDENTIFIER
ND (2) SOIL SAMPLE RESULT

ND NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
TOLUENE	45,000	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

TOLUENE ISOCONCENTRATION
CONTOURS IN SOIL
ANALYTICAL RESULTS USED TO GENERATE
ISOCONCENTRATION CONTOUR

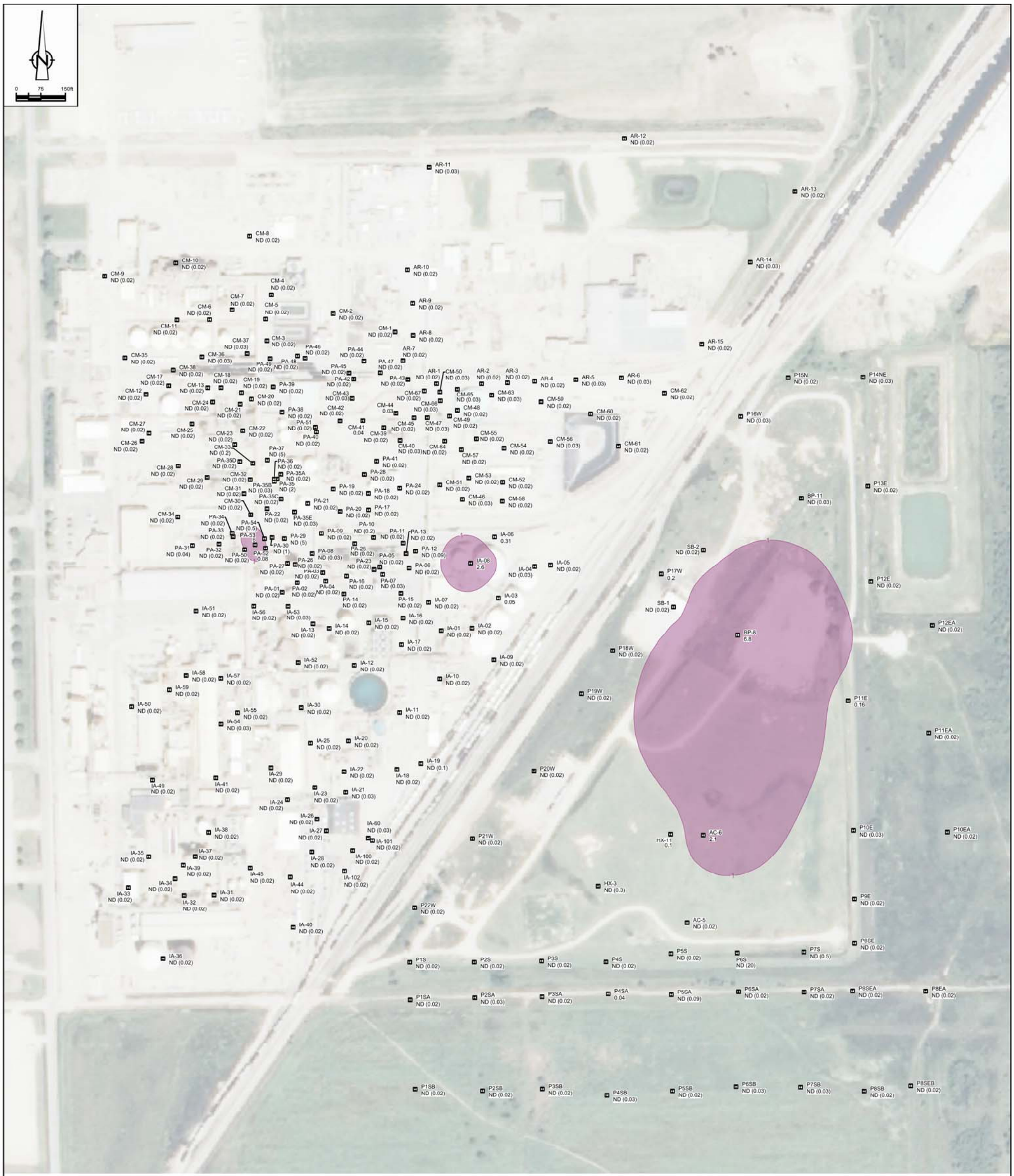
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/7/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 38

54046-D21111(036)GN-CO103 MAR 15/2013



LEGEND:

1 — 2,4-DICHLOROPHENOXYACETIC ACID ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 — SOIL SAMPLE LOCATION AND IDENTIFIER
ND (0.02) — SOIL SAMPLE RESULT

ND — NOT DETECTED

* — AVERAGE VALUE OF CO-LOCATED RESULTS

^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
2,4-DICHLOROPHENOXYACETIC ACID	7,700	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2,4-DICHLOROPHENOXYACETIC ACID ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

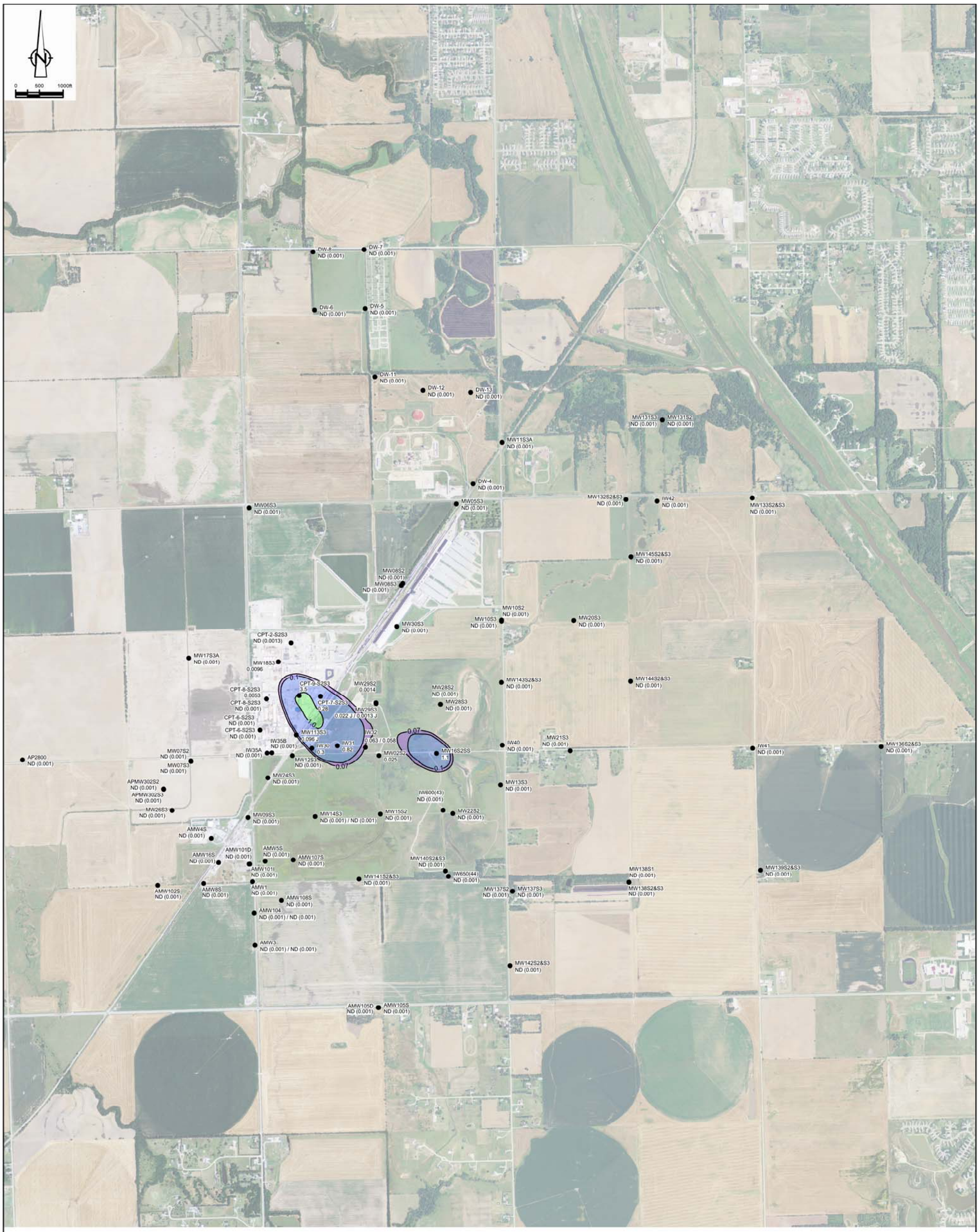
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 39

54046-D21111(036)GN-CO090 MAR 15/2013



LEGEND:

(0.007) 2,4-DICHLOROPHENOXYACETIC ACID ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ND (0.0001) ● MONITORING WELL LOCATION AND IDENTIFIER GROUNDWATER SAMPLE RESULT mg/L

ND (0.0001) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
2,4-DICHLOROPHENOXYACETIC ACID	0.07	0.13	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

2,4-DICHLOROPHENOXYACETIC ACID ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

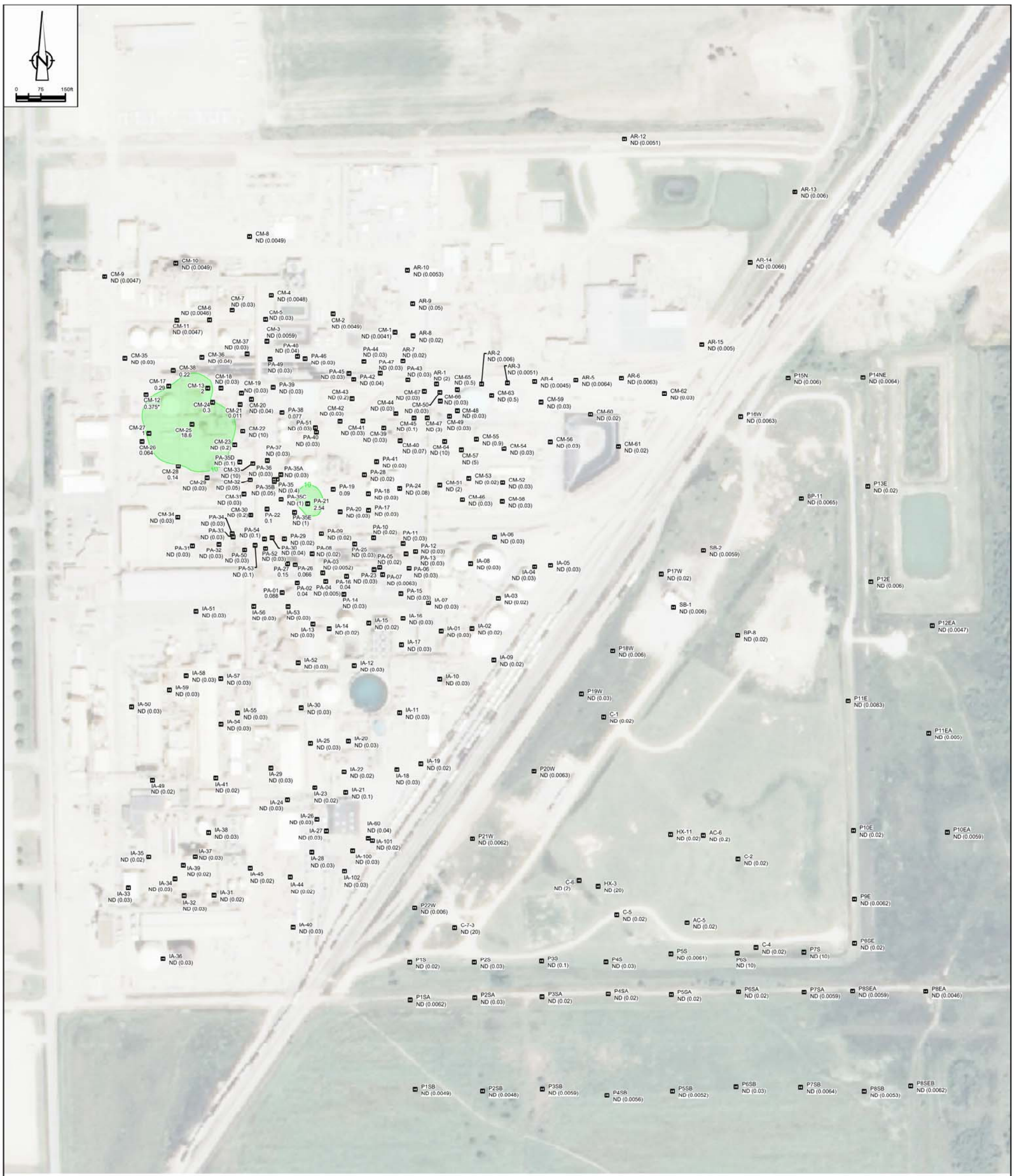
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 40

54046-D21111(036)GN-CO069 MAR 15/2013



LEGEND:

10 — 1,2-DICHLOROPROPANE ISOCONCENTRATION CONTOUR IN mg/kg

CM-1 — SOIL SAMPLE LOCATION AND IDENTIFIER
ND (0.0041) — SOIL SAMPLE RESULT

ND — NOT DETECTED

* — AVERAGE VALUE OF CO-LOCATED RESULTS

^ — ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

CHEMICAL NAME	INDUSTRIAL SOIL	UNITS
1,2-DICHLOROPROPANE	4.7	mg/kg

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

1,2-DICHLOROPROPANE ISOCONCENTRATION CONTOURS IN SOIL AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOUR

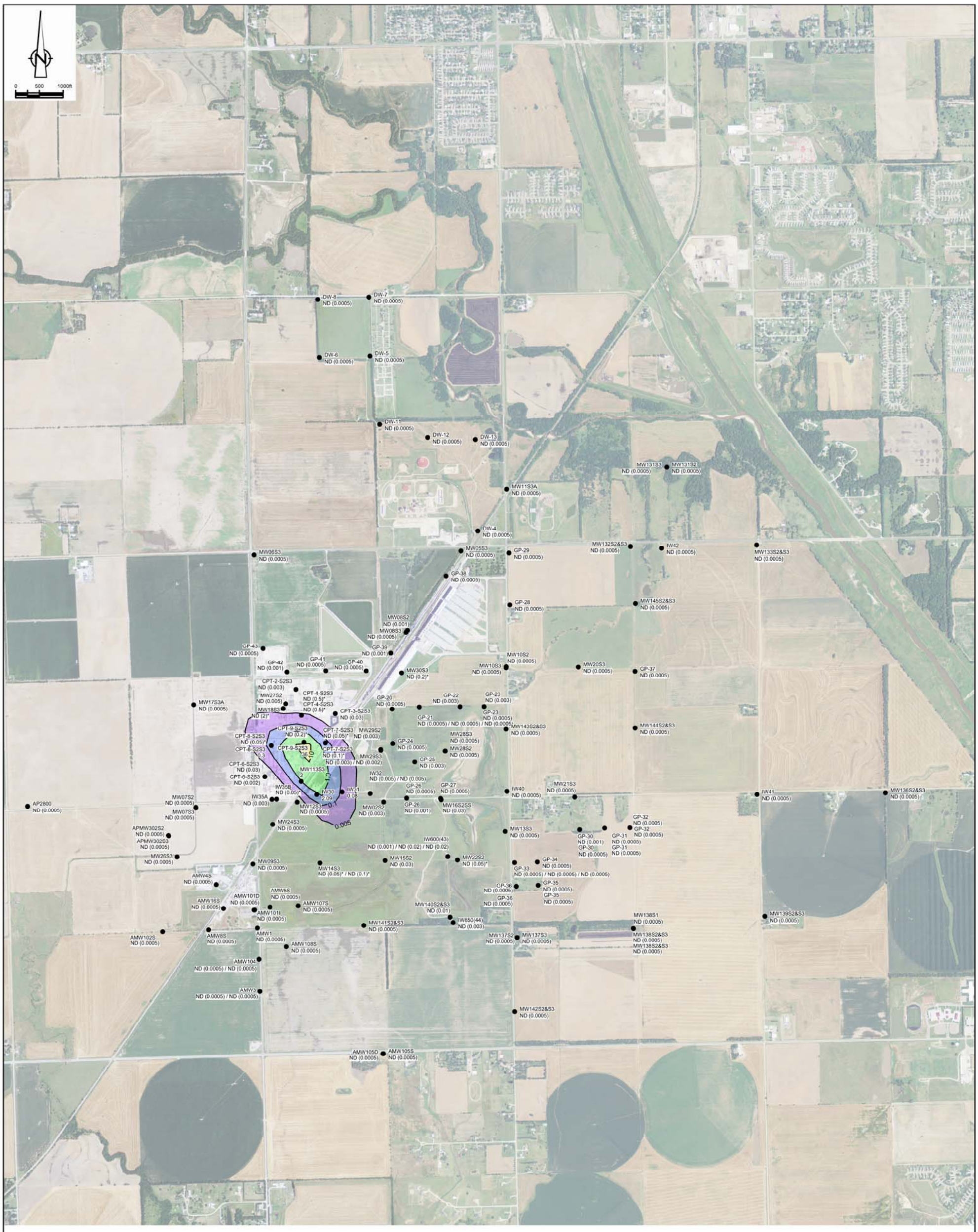
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: 1:150	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 41

54046-D21111(036)GN-CO085 MAR 15/2013



LEGEND:

(0.005) 1,2-DICHLOROPROPANE ISOCONCENTRATION CONTOUR IN mg/L

AMW1 ● MONITORING WELL LOCATION AND IDENTIFIER
ND (0.00005) GROUNDWATER SAMPLE RESULT mg/L

ND (0.00005) NOT DETECTED

* AVERAGE VALUE OF CO-LOCATED RESULTS

^ ELEVATED NON-DETECT VALUE EXCLUDED FROM THE KRIGING ALGORITHM

GROUNDWATER CRITERIA

CHEMICAL NAME	MCL	TAP WATER	UNITS
1,2-DICHLOROPROPANE	0.005	0.00038	mg/L

SOURCE: REGIONAL SCREENING LEVEL SUMMARY TABLE, NOVEMBER 2012

NOTES:

1- ISCONCENTRATION CONTOURS WERE GENERATED BASED ON THE MAY 2012 GROUNDWATER SAMPLING EVENT, THE MAY 2012 CPT GROUNDWATER SAMPLING, AND THE SEPTEMBER 2012 GEOPROBE SAMPLING REPRESENTATIVE OF THE S2/S3 AQUIFER USING SURFER 7, LOG10 TRANSFORMED DATA, HALF THE MEDIAN LIMIT FOR NON-DETECTION VALUES, LINEAR 1:1 VARIOGRAM WITH ANISOTROPY OF 1.5 AT 135°, AND LINEAR DRIFT.

2- RESIDENTIAL WELL DATA INCLUDED IN ISONCENTRATION CONTOURS BUT POINT CONCENTRATIONS NOT SHOWN ON FIGURE.

Nº	Revision	Date	Initial

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

1-2-DICHLOROPROPANE ISOCONCENTRATION CONTOURS IN S2/S3 GROUNDWATER AND ANALYTICAL RESULTS USED TO GENERATE ISOCONCENTRATION CONTOURS

OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
B. CLEGG	S. SOUTTER	3/15/13	
Scale: #####	Project Nº: 54046-D21111	Report Nº: 036	Drawing Nº: figure I 42

54046-D21111(036)GN-CO065 MAR 15/2013