



**STATE COOPERATIVE DRAFT AGENCY DECISION STATEMENT**  
**Kansas Department of Health and Environment**  
**Bureau of Environmental Remediation**

**SITE NAME:** Novick Iron and Metal Site (C2-087-00174)

**CITY/COUNTY:** Wichita, Sedgwick County

**DATE:** July 21, 2016

**MEDIA IMPACTED:** Groundwater, Surface Water, Soil, and Sediment

**LAND USE (Current):** Commercial / Industrial

**SITE BACKGROUND:** The Novick Iron and Metal Site (Site) is located at 1007 E. 21<sup>st</sup> Street North in Wichita, Kansas with the legal description NE ¼ of Section 9, Township 27 South, Range 1 East, Sedgwick County, Kansas. The Site is located in the North Industrial Corridor (NIC), which is an area of regional groundwater contamination, as shown in Figure 1. The Site has been operated as a scrap metal processing and recycling facility since approximately 1965. Novick Iron and Metal, Inc. (NIM) operated the facility from approximately 1965 until it was sold in 2003-2004. The Yaffe Company then purchased the property and operated the facility formerly under the name of QuikService Steel Company, LLC and currently as 21<sup>st</sup> Street Metals.

The contaminants of concern (COCs) associated with the Site are metals, Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO), Polycyclic Aromatic Hydrocarbons (PAHs), Semi-Volatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Polychlorinated Biphenyl compounds (PCBs). COCs were detected in both soil and groundwater above the respective Tier 2 Risk-Based Standards for Kansas (RSK) levels for both residential and non-residential scenarios. Elevated levels of PCBs, PAHs, TPH-DRO, arsenic, cadmium, and lead were detected in sediment in the adjacent creek to the south (West Fork Chisolm Creek) and the concrete-lined drainageway to the east. Elevated levels of lead, benzene, benzo(a)pyrene, and pyrene were also detected in surface water in the adjacent creek and drainageway.

Beginning in 1988, a number of environmental investigations have been performed at the Site. A letter agreement between NIM and KDHE provided for an investigation under KDHE regulatory framework in 2007. An Administrative Order was issued in April 2009 for additional investigation and cleanup activities. While numerous COCs were detected at the Site at elevated concentrations, PCBs and lead became the driving factors for cleanup activities. Lead had been detected as high as 18,000 milligrams per kilogram (mg/kg) in soil, above the Tier 2 RSK level of 1,000 mg/kg in the non-residential scenario. PCBs were discovered in two main hot-spots, the Shear Area and the Southeast Area. PCB contamination was delineated vertically to <1 mg/kg at a maximum depth of six feet and horizontally to <50 mg/kg. The highest concentration detected at the Site was 42,000 mg/kg of PCB 1260 in surface soil.

Excavation of contaminated soil was initiated in August 2013. Approximately 16,613 tons of PCB-impacted waste material were excavated and disposed at the Republic Services CSC Landfill in Avalon, Texas, permitted to receive PCB with concentrations greater than 50 mg/kg. Approximately 969 tons of PCB-impacted soil

with concentrations less than 50 mg/kg but greater than 25 mg/kg were disposed as special waste at Waste Connections Plum Thicket Landfill in Harper, Kansas. Backfill consisted of clean fill from an off-site source and was machine-compacted to restore natural surface level, drainage, and topography. Verification samples showed no exceedances of Tier 2 RSK levels for non-residential scenarios and soil-to-groundwater levels of VOCs, TPH-DRO, arsenic, barium, cadmium, selenium, and silver. Chromium, lead, and dibenzo(a,h)anthracene exceeded the non-residential scenario for soil at the floor of the excavation. These areas were covered with at least one foot of clean soil to limit any future exposure.

Elevated levels of metals (cadmium, lead, and arsenic) and PAHs were detected in sediment above the consensus-based Threshold Effect Concentrations (TECs), levels which harmful effects are unlikely to be observed, but below the consensus-based Probably Effect Concentrations (PECs), levels which harmful effects are likely to be observed. The location of the stream segment connects to a concrete drainageway in a historically highly industrialized area. Because the contributing source of contamination has been excavated and contaminant concentrations in sediment are below PEC values, no further action is needed.

In 2001, PCBs in the sediment in the adjacent creeks were shown to be above the consensus-based sediment effect TEC screening values, while downstream samples showed no detection of PCBs. A number of known and potential historical source areas existed in the area that could have contributed to the PCB contamination. In 2008, PCBs were detected in the creek sediment adjacent to the Site below the TEC screening values, within the range where adverse effects are unlikely to be observed, and were not detected in surface water samples.

**RECOMMENDATION:** While cleanup activities successfully removed PCB contamination at the Site greater than 25 mg/kg, PCB contamination remains at the Site as well as elevated levels of lead and chromium. Filtered and/or dissolved phase groundwater samples do not show detections of PCBs or metals above Tier 2 RSK levels. As the Site continues to be operated as a metal recycling facility that involves torching, cutting, shearing, crushing, breaking, or storing scrap materials, KDHE recommends an Environmental Use Control (EUC) Agreement with a Soil Waste Management Plan to protect human health and the environment from risks posed by remaining contaminants through placement of restrictions, prohibitions, and conditions on land use to reduce or eliminate potential human exposure. An EUC would be formally established through the EUC program administered by KDHE. The EUC Agreement runs with the property and is binding on the landowner and any other subsequent owners, lessees, and other users of the property. In addition, the City of Wichita Municipal Code of Ordinances, Title 7, Chapter 7.30, Section 7.30.105 currently prohibits the installation of new water wells and use of pre-existing water wells for personal use in contaminated areas. Continued enforcement of this City ordinance will also help ensure protection of human health.

## COMMUNITY

**INVOLVEMENT:** A Public Information Plan for the Site was developed by KDHE. Public input and comment is being encouraged by KDHE throughout the process. Public notice of the availability of the draft Agency Decision Statement (ADS) will be published in *The Wichita Eagle*. In addition, KDHE has established a webpage dedicated to the Site, which is available online during the comment period at [http://www.kdheks.gov/remedial/site\\_remediation/index.html](http://www.kdheks.gov/remedial/site_remediation/index.html). KDHE is receiving comments during the 30-day comment period (August 8 – September 7, 2016), which must be submitted in writing by electronic mail to [PGreen@kdheks.gov](mailto:PGreen@kdheks.gov) or by mail to:

Kansas Department of Health and Environment  
Bureau of Environmental Remediation  
Attention: Pamela Green, Environmental Specialist  
1000 SW Jackson Street, Suite 410  
Topeka, Kansas 66612-1367

**FIGURES:** Figure 1 – Facility Location Map  
Figure 2 – Interim Measures Cleanup, PCB Verification Results

**References:**

- Industrial Environmental Consultants, LLC, 2015, *Interim Measures Site Cleanup and Comprehensive Investigation Report, Former Novick Iron & Metal Site*, January 25, 2014, Updated April 25, 2015.
- MacDonald, D.D., C.G. Ingersoll, T.A. Berger, 2000, *Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems*, January.
- Terracon Consultants, Inc., 2008, *Investigation Report, Former Novick Iron & Metal, Inc.*, prepared on behalf of NIM, Inc., September.
- United States Environmental Protection Agency Region VII, 1989, *Letter to Mr. Bernard Novick, Novick Iron & Metal Salvage*, March 20.
- W.Z. Baumgartner & Associates, Inc., 2013, *Shear and Southeast Area Supplemental PCB Investigation Report, Novick Iron & Metal Site*, March.
- W.Z. Baumgartner & Associates, Inc., 2012, *Shear Area PCB Investigation, Novick Iron & Metal Site*, March 30, 2012, Revised November 13.
- W.Z. Baumgartner & Associates, Inc., 2011, *Interim Measures – Task 2 PCB Hot Spot Investigation Report, Novick Iron & Metal Site*, May 10.
- W.Z. Baumgartner & Associates, Inc., 2010, *Interim Measures Site Investigation Report – Task 1, Novick Iron & Metal Site*, June.

**FINAL AGENCY APPROVAL:**

\_\_\_\_\_  
Leo Henning  
Director, Bureau of Environmental Remediation

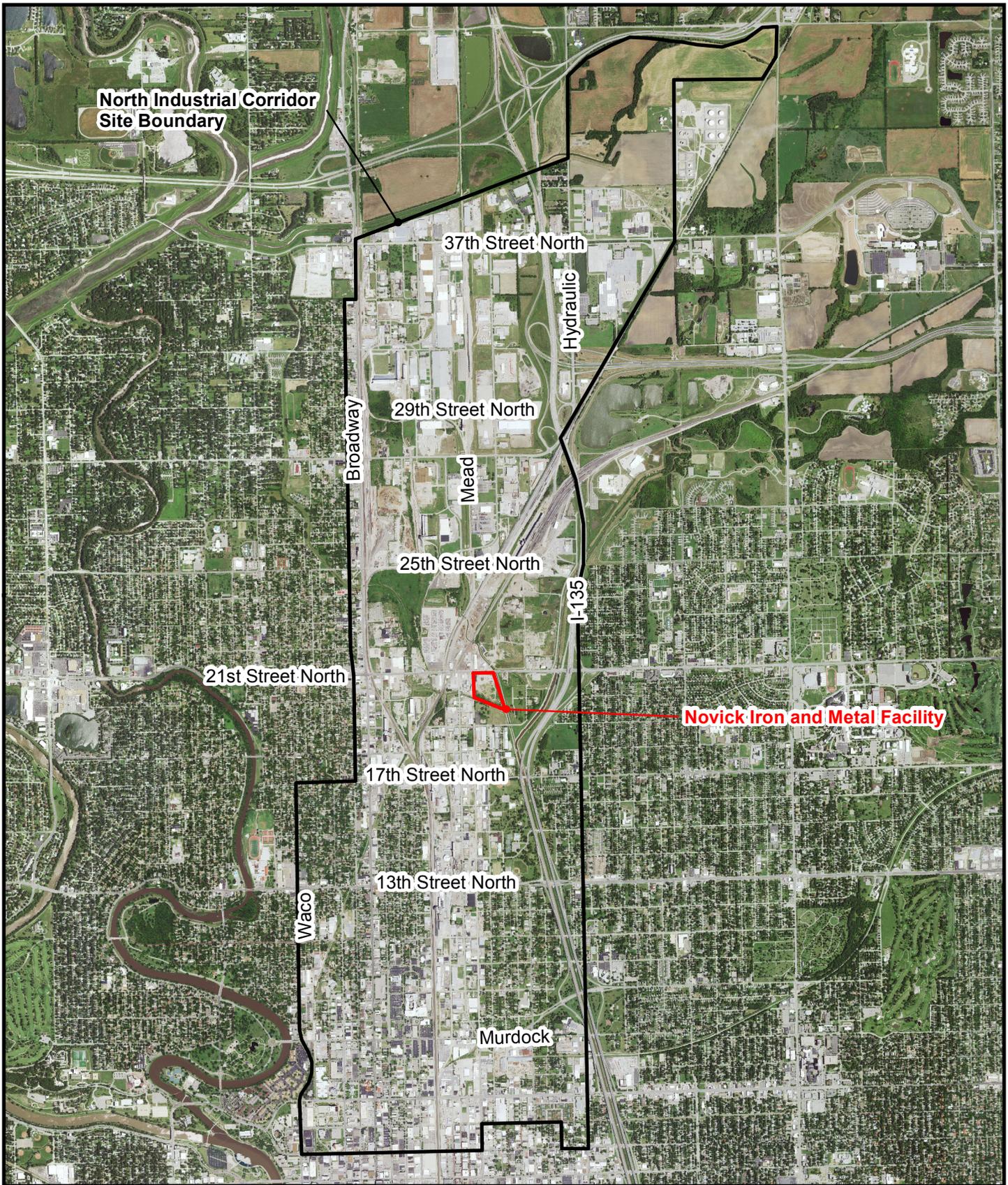
\_\_\_\_\_  
Date

\_\_\_\_\_  
Randy Carlson, PG  
Remedial Section Chief

\_\_\_\_\_  
Date

\_\_\_\_\_  
Pamela Green  
Site Project Manager

\_\_\_\_\_  
Date



**LEGEND**

- North Industrial Corridor Site Boundary
- Novick Iron and Metal Facility



Map Source: Aerial Photograph 2015 National Agriculture Imagery Program (NAIP)



**SITE:** Novick Iron and Metal Facility  
Wichita, Kansas

**TITLE:** Facility Location within  
North Industrial Corridor Site

**PROJECT PHASE:** Agency Decision Statement

<b>DRAWN BY:</b>	DM	2/29/2016	<b>BASEMAP DATE:</b>	2015
<b>CHECKED BY:</b>	PG	2/29/2016	<b>Figure 1</b>	

**FIGURE 2 – INTERIM MEASURES CLEANUP, PCB VERIFICATION RESULTS**

Figure prepared by Industrial Environmental Consultants on behalf of NIM, Inc., Exhibit 7 in the Interim Measures Site Cleanup & Comprehensive Investigation Report, 2015.



**LEGEND**

SURFACE SAMPLE COLLECTED DURING THE CLEAN-UP PHASE <25 ppm

INVESTIGATION SAMPLE COLLECTED BY W.Z.B. PRIOR TO THE CLEAN-UP < 25 ppm

APPROXIMATE EXCAVATED CLEAN-UP AREA ON AERIAL PHOTO BASED ON SURVEY.

0.000 ppm ALL RESULTS REPORTED IN PPM TO 3 DECIMAL PLACES

**AREA IDENTIFICATION**

- WE - WEST AREA**  
(LOCATION OF ELEVATED "P-II" RESULTS)
- NO - NORTH EAST SHEAR AREA**  
(LOCATION OF ELEVATED SURFACE SAMPLE RESULTS)
- N - NORTH WEST SHEAR AREA**  
(LOCATION OF ELEVATED SURFACE SAMPLE RESULTS)
- P10 - EAST AREA**  
(INVESTIGATED TO LOCATE ELEVATED HISTORICAL RESULT P10)
- SH - SHEAR AREA**  
(ELEVATED HISTORICAL RESULTS)
- SE - SOUTH EAST AREA**  
(ELEVATED HISTORICAL RESULTS)
- WSW - WEST SOUTH WEST AREA**  
(LOCATION OF ELEVATED SURFACE SAMPLE RESULTS RESULTS )

**SAMPLE IDENTIFICATION**

- SH-G3 ( SH = AREA LOCATION )**  
**( G3 = GRID IDENTIFICATION )**
- 0.118 ppm -3'**  
( VERIFICATION OF FLOOR )  
( PCB CONCENTRATION FROM ORIGINAL ( SURFACE TO FINAL DEPTH )
- WALL - N**  
**0.016 ppm**  
( WALL N - PCB WALL VERIFICATION SAMPLE LOCATED ON NORTH SIDE (N) OF GRID, RESULTS IN ppm. )

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DRAWN BY:	DMP	PCB VERIFICATION RESULTS	SCALE:	1" = 35'
CHECKED BY:	JKW	INTERIM MEASURES CLEANUP	PROJECT NO.:	14006
ENGINEER:	JCT	FORMER NOVICK IRON AND METAL WICHITA, KANSAS	EXHIBIT NO.:	
DATE:	5/28/2014			7

2603 FESSEY PARK ROAD  
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NASHVILLE, TENNESSEE 37204  
615-730-5059



BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS DRAWING, SCALES ACCORDINGLY

NO.	REVISIONS	DATE	ENGR