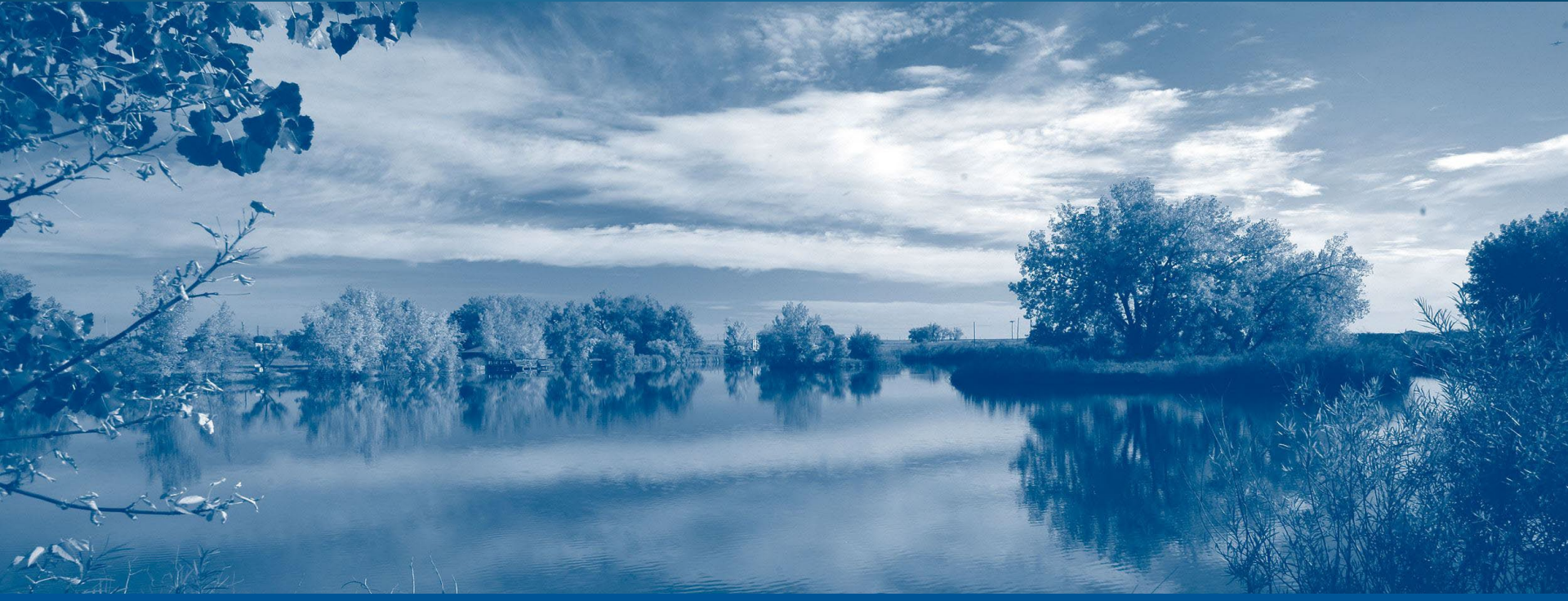


# **ROCKY MOUNTAIN ARSENAL (RMA) CLEANUP PROGRAM UPDATE AND FIVE-YEAR REVIEW (2020)**



**Prepared for :  
City Council of Commerce City  
June 7, 2021**



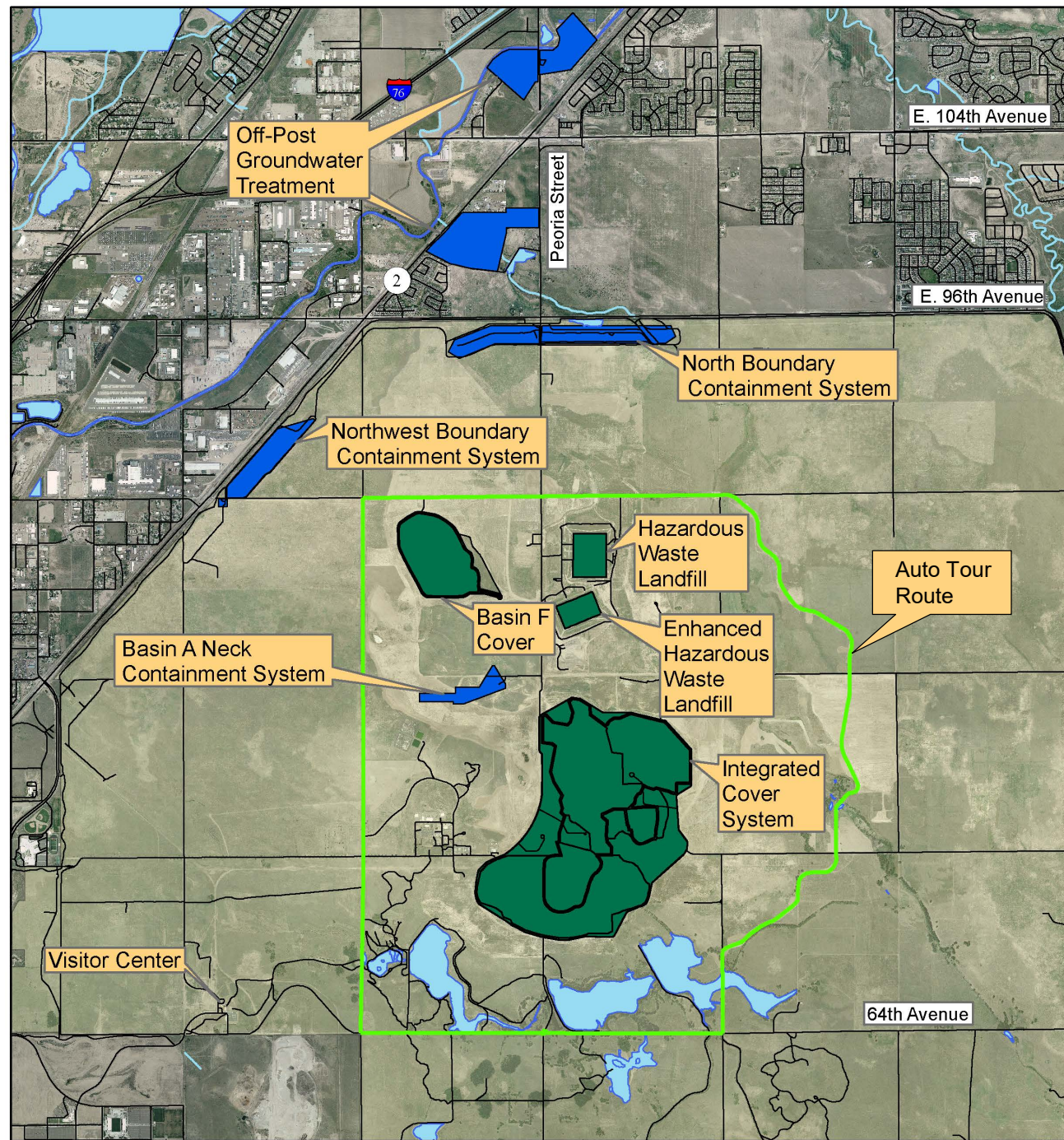
# AGENDA

- Background about RMA environmental remedy
- Update on Offpost Groundwater Treatment System changes
- Five-Year Review
  - Purpose
  - Components
  - Issues
  - Protectiveness determination
  - Next steps
- Questions



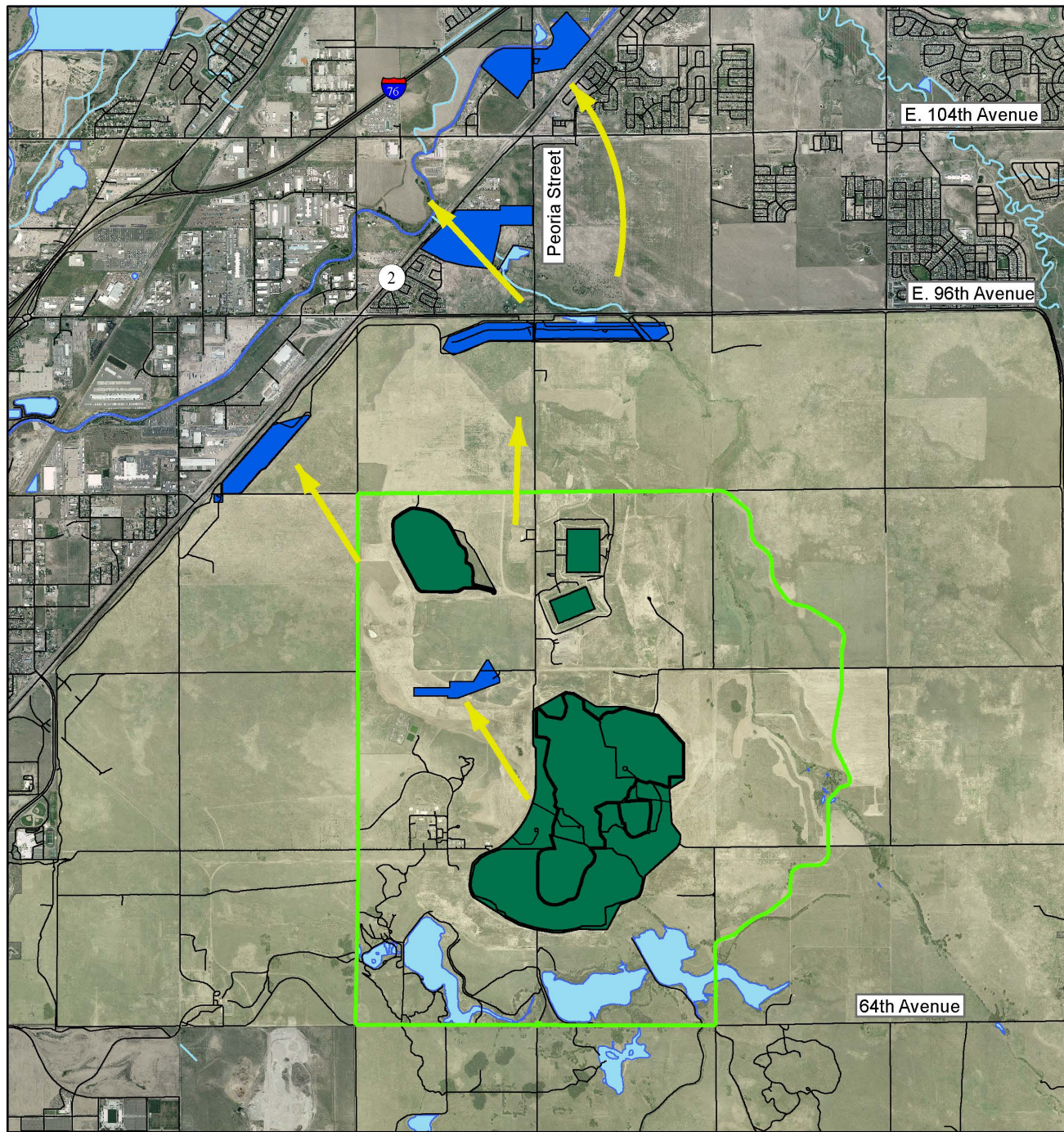


# RMA Remedy Facilities



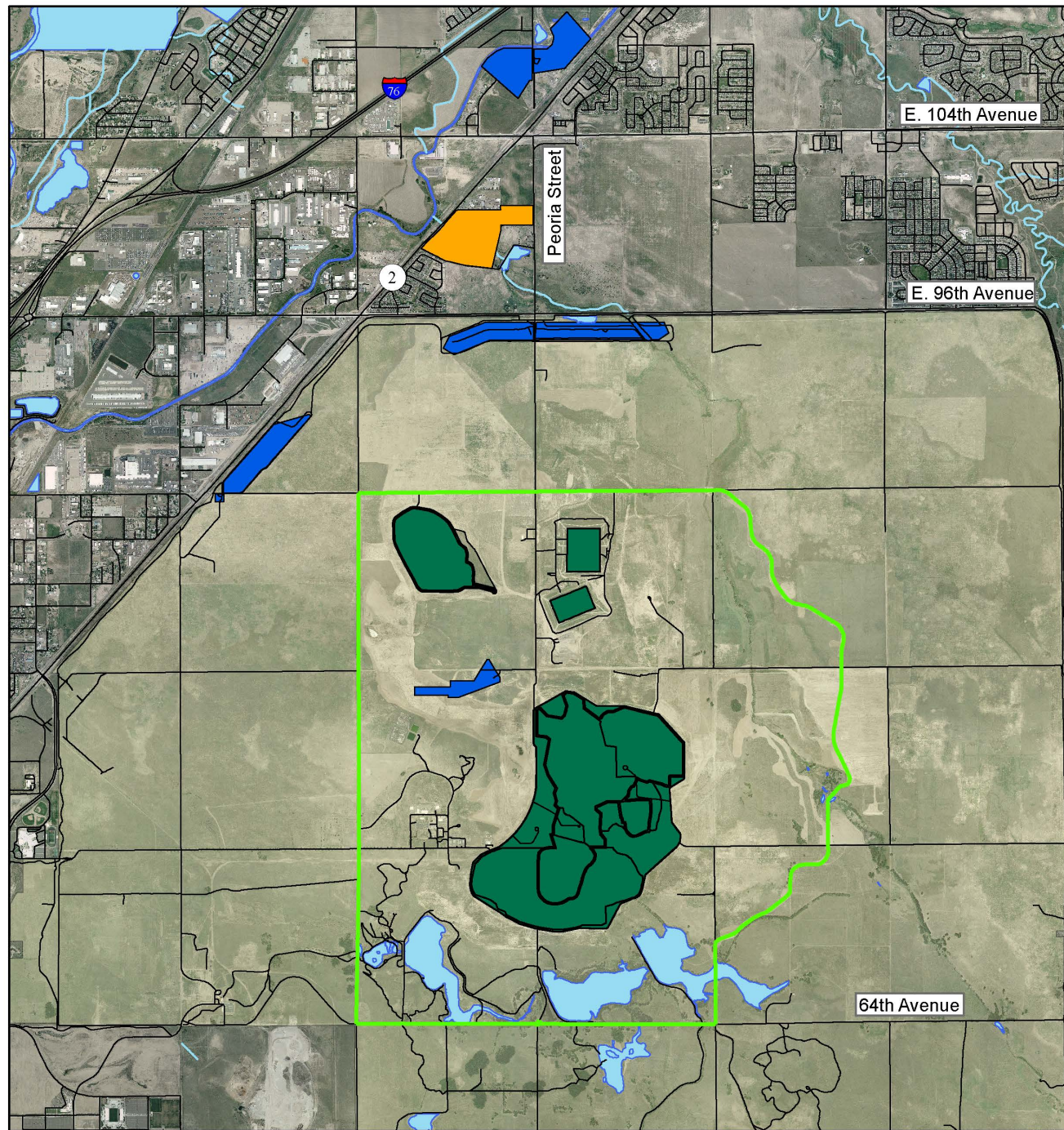


# Groundwater Flow Directions







# First Creek Treatment System Upgrade





## Legend

-  Original Army Lease Area
-  New Army Lease Area

New First Creek  
Treatment System Building

Offpost Groundwater  
Intercept Treatment Building

2

Peoria Street

96th Avenue



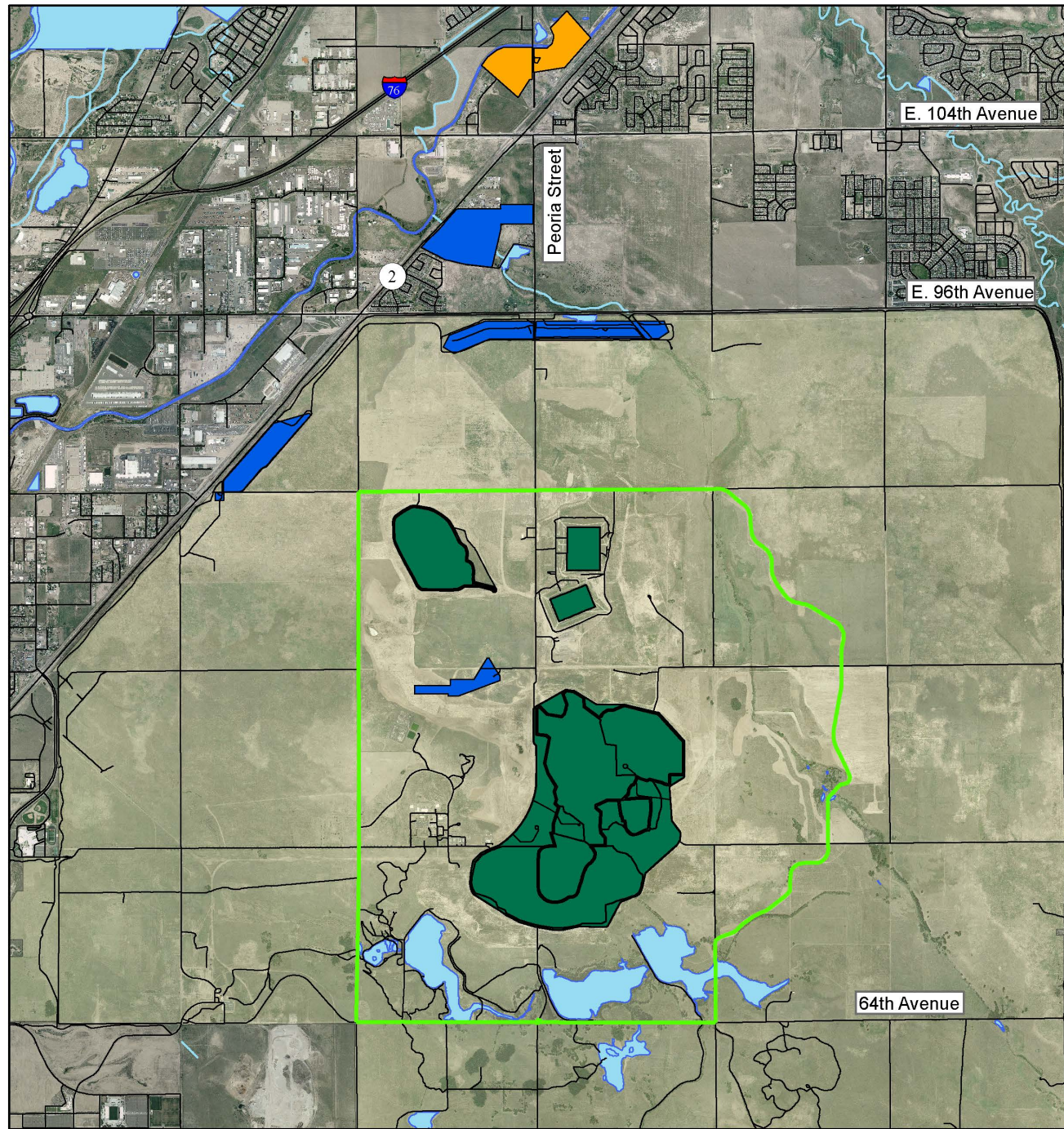
New First Creek  
Treatment and  
Metering Building

Existing Offpost  
Groundwater  
Treatment Plant







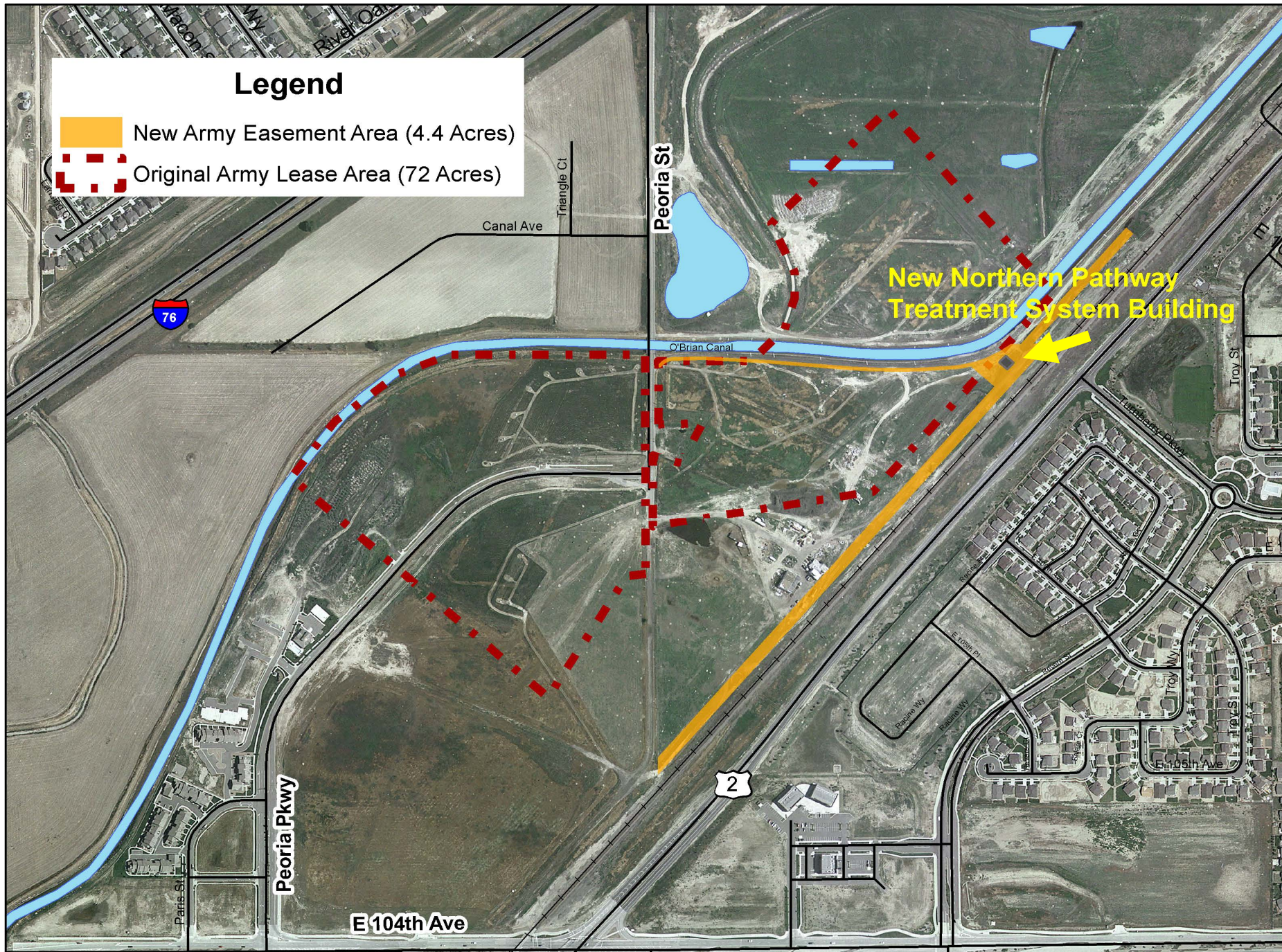
# Northern Pathway Treatment System Upgrade





## Legend

-  New Army Easement Area (4.4 Acres)
-  Original Army Lease Area (72 Acres)





# FIVE-YEAR REVIEW

# PURPOSE

- Comprehensive review of environmental cleanup
- Ensures cleanup still protective of human health and environment
- Supplements ongoing monitoring
- Required for all Superfund sites where waste left on site
- Army-led with participation from:
  - Environmental Protection Agency
  - Colorado Department of Public Health and Environment
  - Tri-County Health Department
  - Shell Oil Co.
  - U.S. Fish and Wildlife Service



# FIVE-YEAR REVIEW SCOPE

Designed to answer three questions:

1. Is the environmental cleanup functioning as intended?
2. Are the assumptions used at the time of the cleanup selection still valid?
3. Has any other information come to light (e.g., new environmental standards) that could call into question the protectiveness of the environmental cleanup?



# FIVE-YEAR REVIEW **COMPONENTS**

Covers period from 2015 to 2020 and includes six components:

1. Community involvement
2. Document review
3. Data analysis
4. Site inspection
5. Interviews
6. Protectiveness determination



# FIVE-YEAR REVIEW ISSUES

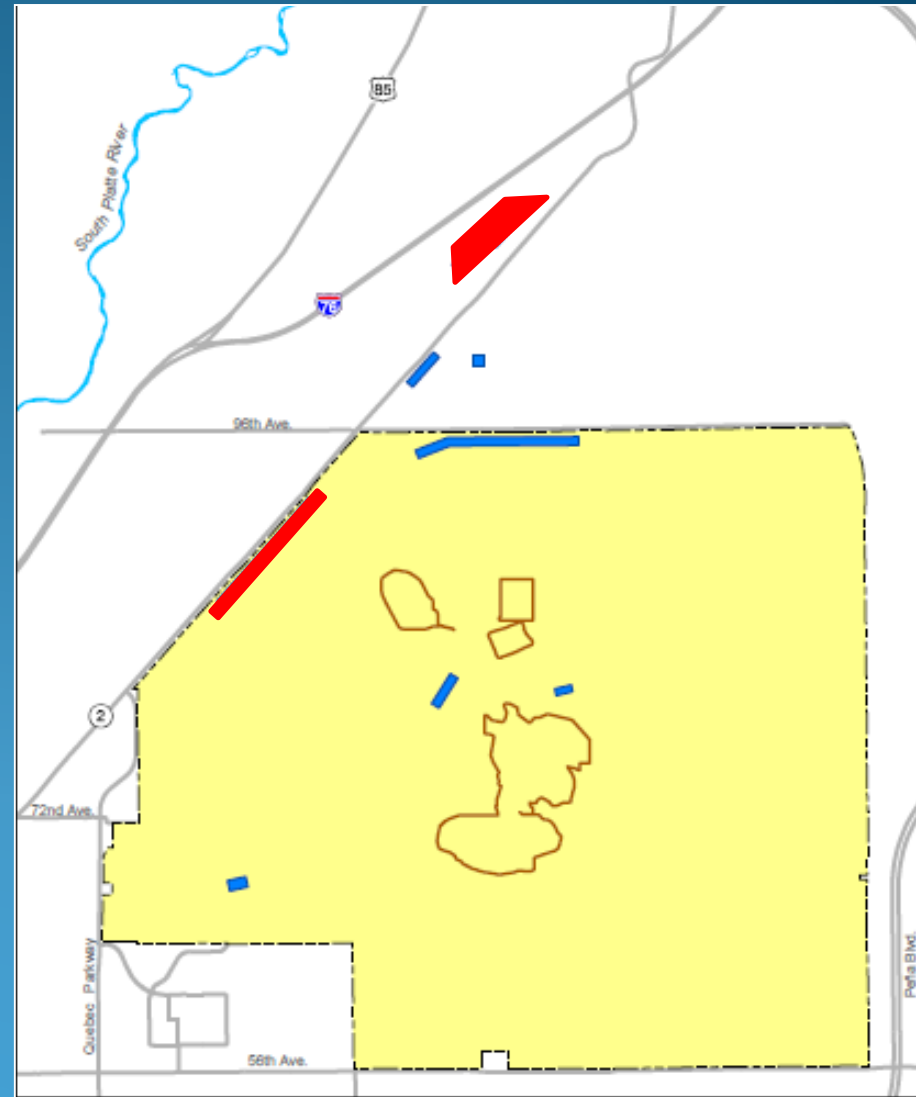
- Traditionally defined as items that could affect current or long-term protectiveness of the environmental cleanup
- Fifteen issues identified in previous Five-Year Review (2015)
  - Ten were resolved
  - Three were partially resolved and no longer considered to affect the protectiveness of the cleanup
  - Two carried forward as issues in 2020 Five-Year Review
- Six issues identified in 2020 Five-Year Review
  - No issues affect current protectiveness
  - Issues could affect future protectiveness



# FIVE-YEAR REVIEW

## ISSUES IDENTIFIED

- Detections of Dieldrin above treatment goal at Northwest Boundary Containment System:
  - Evaluate groundwater capture system
  - Increase offpost groundwater monitoring network
- Additional groundwater extraction wells needed for Offpost Northern Pathway System





## FIVE-YEAR REVIEW

# ISSUES IDENTIFIED

- Add new and/or replace damaged offpost groundwater monitoring wells
- Evaluate private drinking water well for repair or replacement
- Partner to ensure consistency between RMA land-use restrictions and land uses included in Prairie Gateway Planned Unit Development (PUD)



# PROTECTIVENESS DETERMINATION

Determination selected from these options:

1. Not protective, unless follow-up actions taken
2. Protectiveness cannot be determined until more information obtained (deferred protectiveness)
- 3. Protective in short-term, with follow-up actions needed to remain protective long-term**
4. Protective



## Five-Year Review

# NEXT STEPS

- Public comment period (May 19-July 2)
- Army responds to public comment and prepares final report (July 6-August 31)
- EPA issues its concurrence or separate protectiveness determination (Sept. 30)





**Questions?**

**Contact the RMA:  
303.289.0300**

