



***NORTHROP GRUMMAN***

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## **NG Bethpage Technical Update for NYSDEC**

April 15, 2010

# Meeting Agenda

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- Opening Remarks
- Previous Action Items
- Baseline Model Results
- Off-Site FFS Alternatives
- FFS Schedule
- Closing Comments/Action Items

# Baseline Model Results

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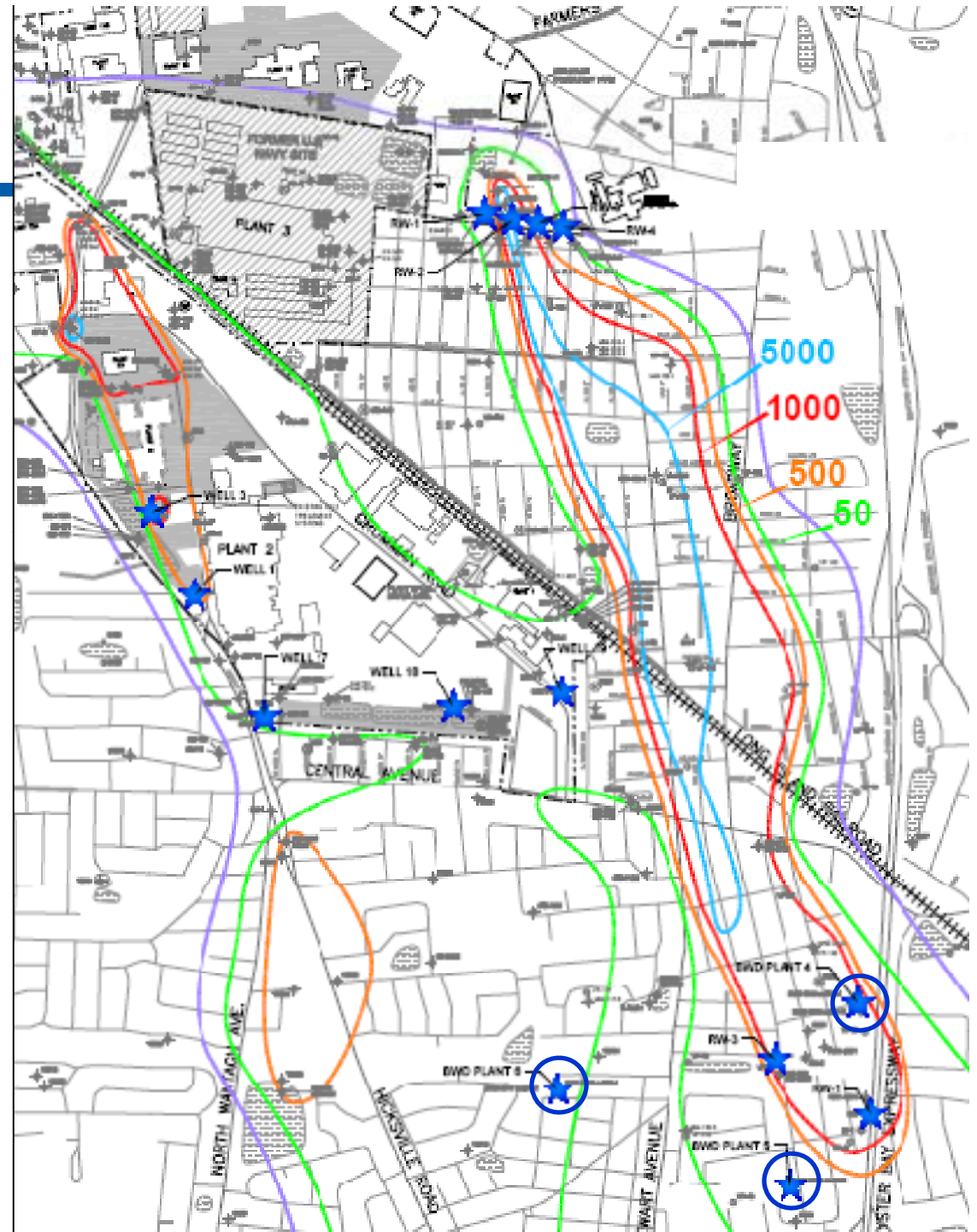
## Potentially Affected Wells under Baseline Conditions:

- GM-38: Remedial Wells RW-1 & RW-3
- BWD Plant 4: Wells 4-1 & 4-2
- BWD Plant 5: Well 5-1
- OU-2: Remedial Wells 17, 18 & 19

# Off-Site FFS

## Alternative 1 – NFA/Baseline

- Continue operation of GW IRM, OU-2, GM-38 systems
- Continue BWD wellhead treatment

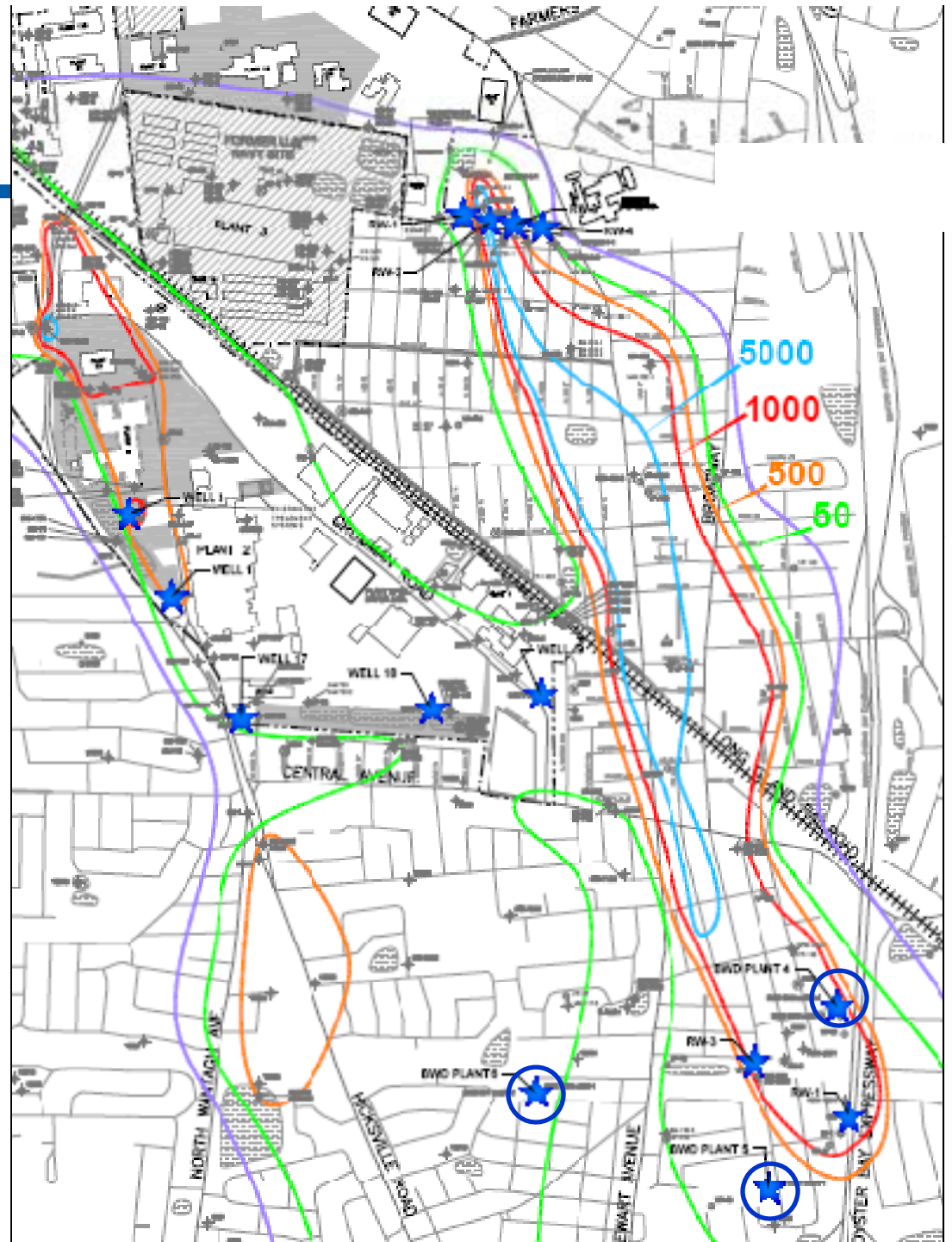


# Off-Site FFS

## Alternative 2

Alternative 1 plus:

- Upgrade OU-2 & GM-38 treatment if needed
- Upgrade BWD wellhead treatment if needed

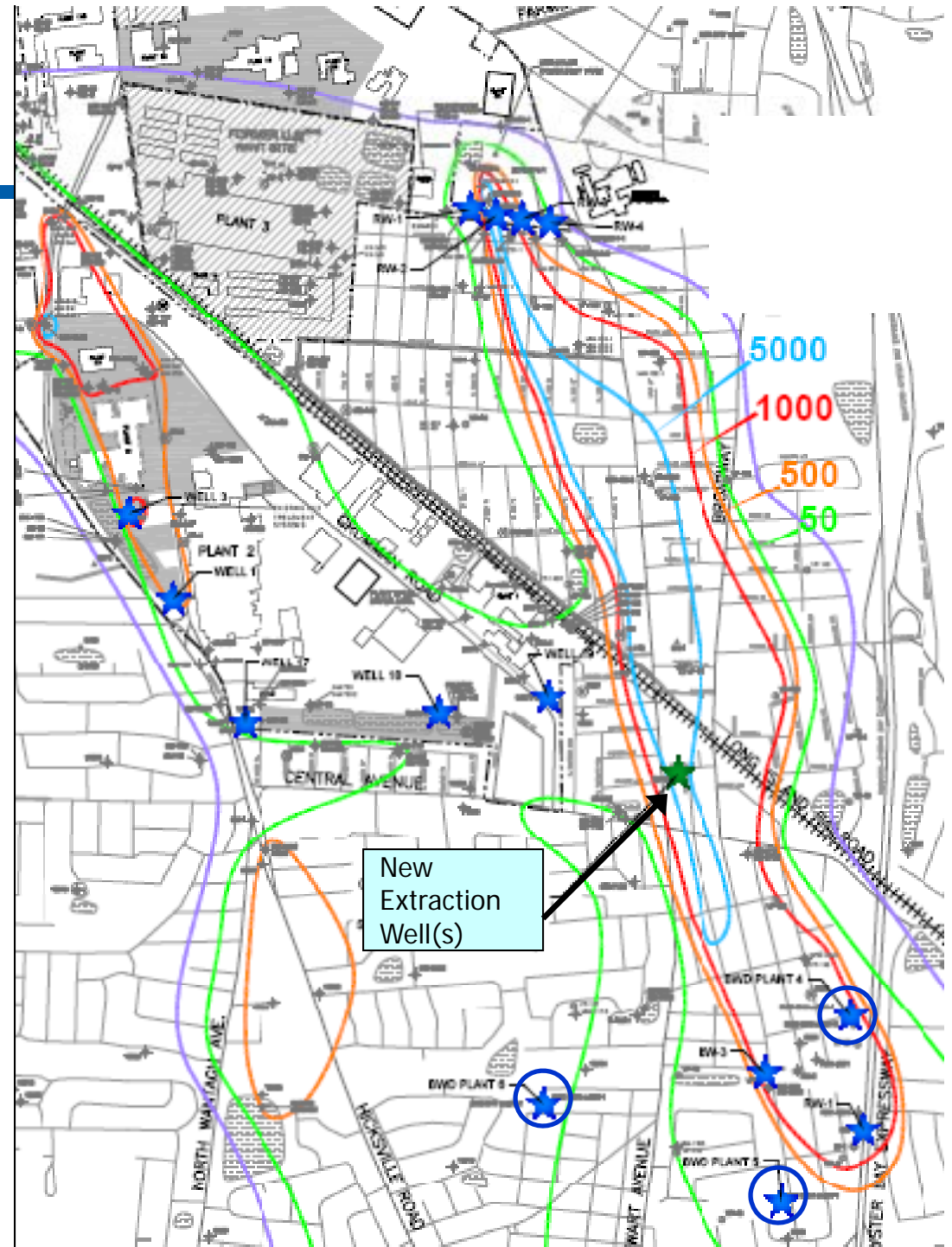


# Off-Site FFS

## Alternative 3

Alternative 2 plus measures to reduce VOC mass:

- New extraction well(s) in center of plume
- GW treated in OU-2 system

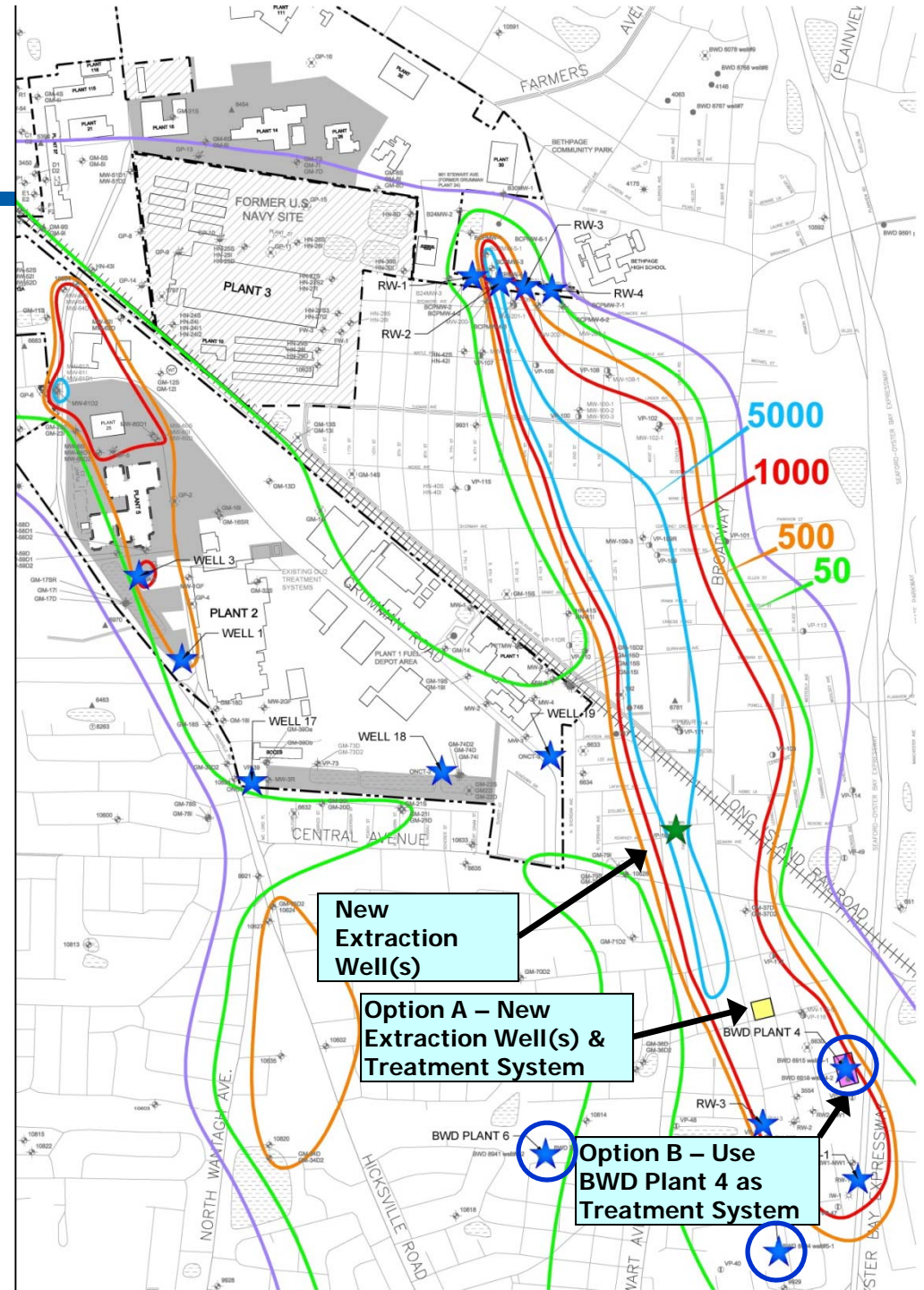


# Off-Site FFS

## Alternative 4

Alternative 3 plus measures to prevent VOC impacts at Plant 5 & reduce VOC impacts at Plant 4:

- New extraction well(s) and treatment system; or
- Operate BWD Plant 4 as remediation system & replace Plant 4 capacity

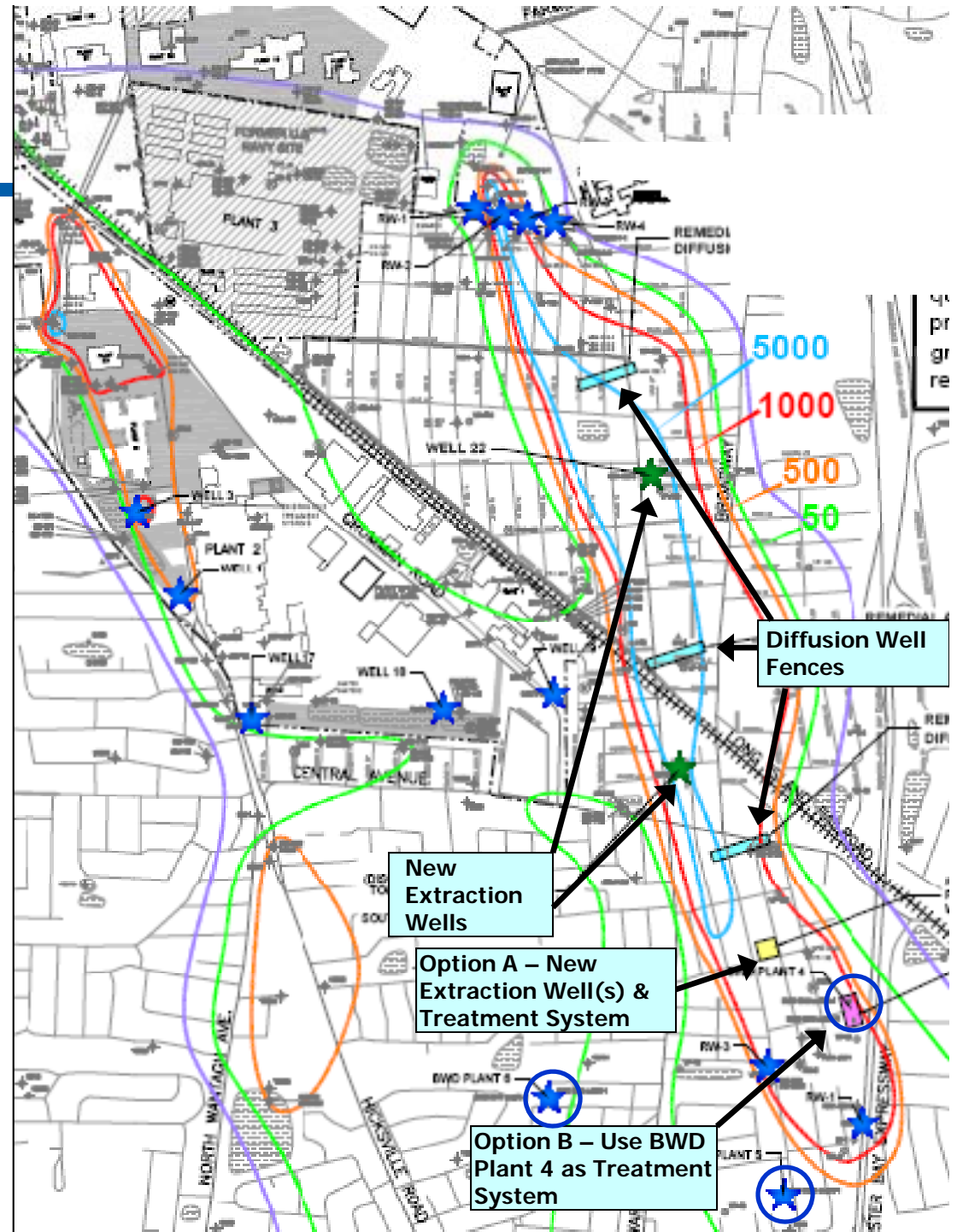


# Off-Site FFS

## Alternative 5

Alternative 4 plus measures to restore GW quality to pre-disposal conditions through:

- Additional extraction well(s) & treatment systems
- Diffusion well fences upgradient of extraction wells





# Closing Comments and Action Items



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