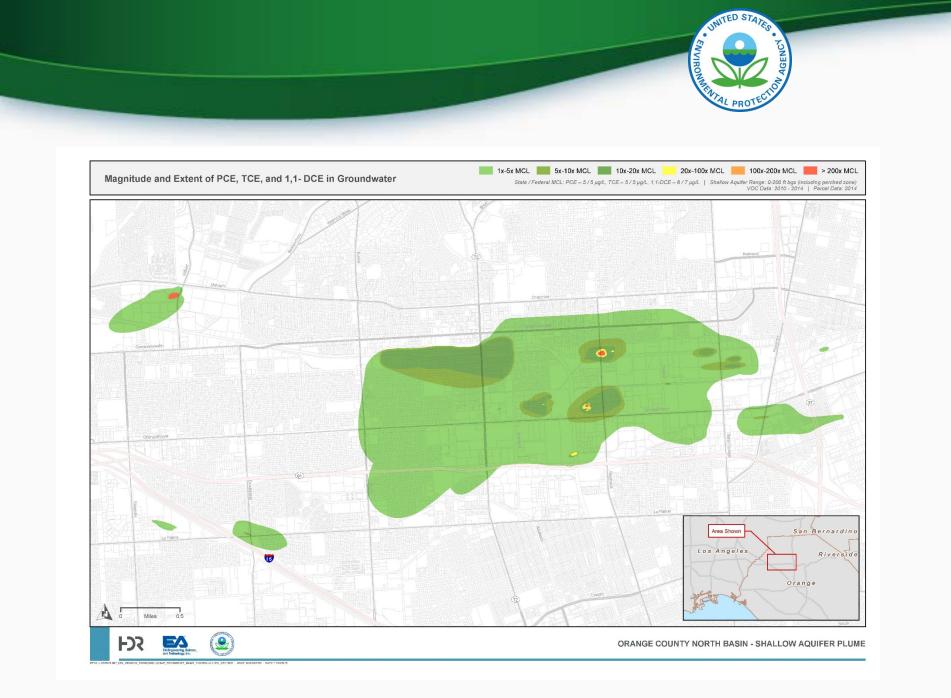
Orange County North Basin Update

December 16, 2015 Orange County Water District Board Meeting



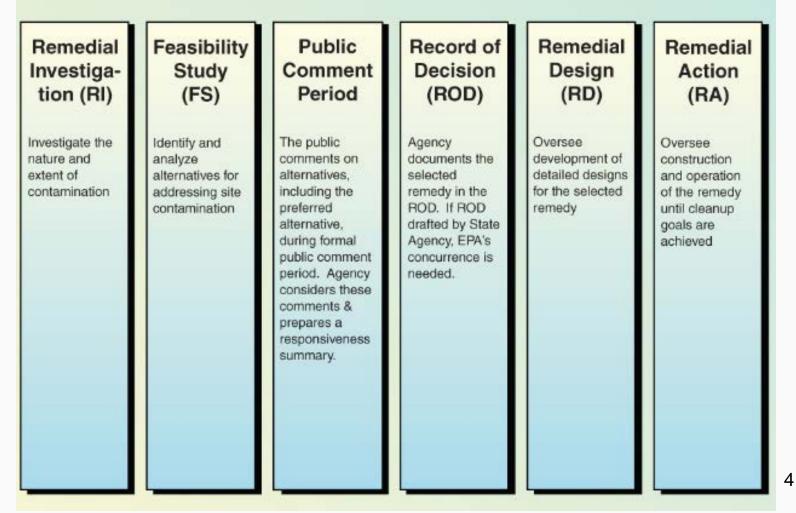
Outline

- Remedial process
- Administrative Order on Consent
- Statement of Work
- Coordination with State agencies
- Site assessment process
- Next steps





Remedial Process





Statement of Work

• Remedial Investigation: evaluate nature and

extent of contamination

- Contaminants of concern
- Sources
- Vertical and horizontal extent of contamination
- Risk assessment

UNITED STATES

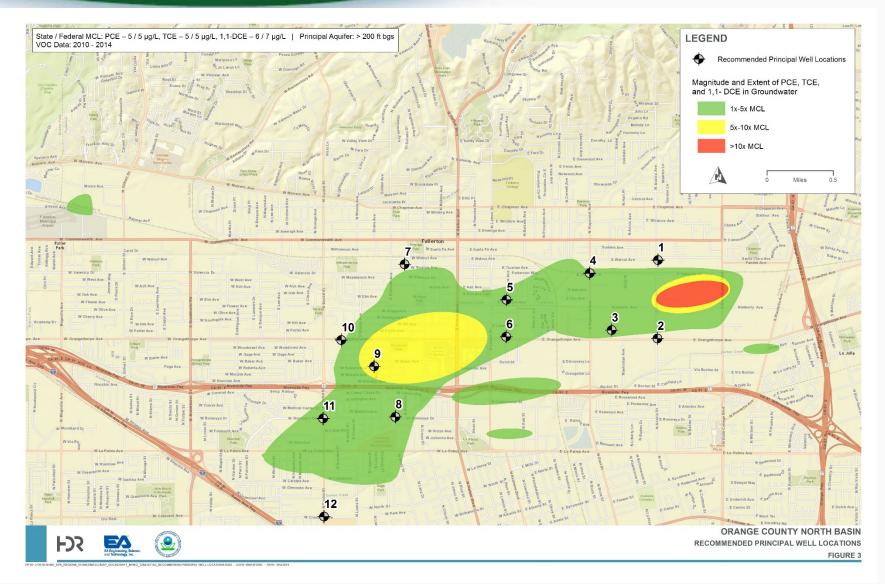
Statement of Work

• Feasibility Study: identify and evaluate

remedial alternatives

- Contaminant fate and transport
- Pilot testing/ treatability studies
- Groundwater modeling
- Community involvement

THIRD STATES





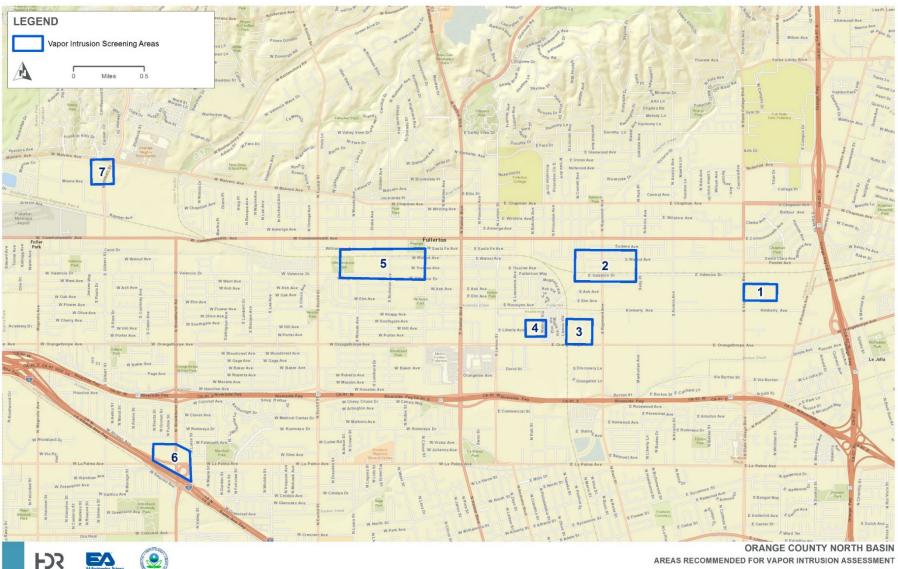


FIGURE 4



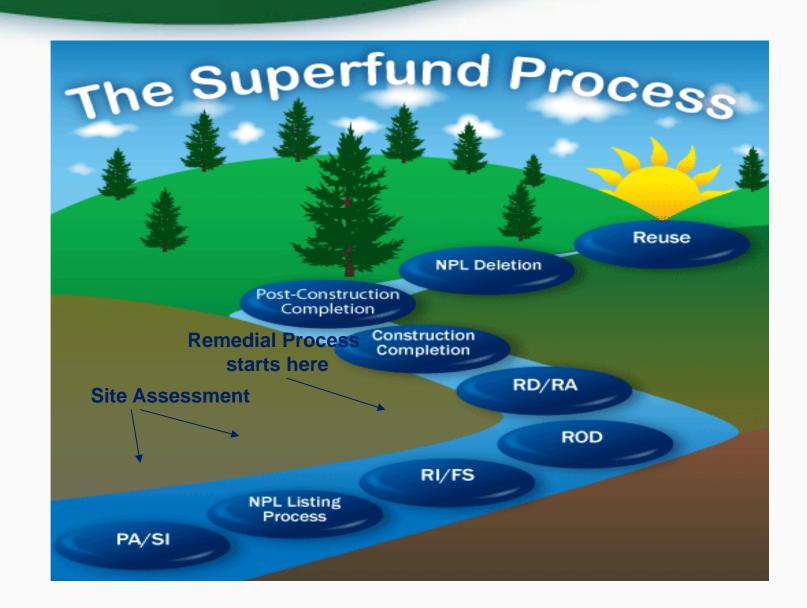
Administrative Order on Consent

- Invitation to participate sent December 15
- Response required within 60 days
- Respondent(s) will conduct the Remedial Investigation and Feasibility Study under EPA oversight
- Respondent(s) will submit a Workplan outlining how they plan to fulfill the requirements of the Statement of Work



Coordination with State Agencies

- EPA is working closely with DTSC and RWQCB
- Source investigation and remediation work under State oversight will continue
- DTSC and RWQCB will review major deliverables and may pursue separate agreements with respondent(s)





Preliminary Assessment (PA)

"Desk-top Study"

- Helps to distinguish between sites that pose little threat and those that warrant further investigation
- Low-cost compilation of readily available information about the site and its surroundings
- Includes information on:
 - Historical waste generation and disposal practices
 - Hazardous substances potentially associated with site
 - Potential sources of hazardous substances
 - Important migration pathways and affected media
 - Comprehensive survey of targets



Site Inspection

- Conducted to determine whether potential threats identified in the Preliminary Assessment actually exist
- Includes Field Sampling Plan (FSP) and field activities to collect environmental and waste related samples to characterize releases at the site

STATES STATES

Superfund Process for North Basin

- Concurrent Site Assessment and Remedial Activities
 - NPL Listing Evaluation
 - Individual PA for 8
 Sources and Plume
 - Combined SI for all "9 Sites" (8 Sources and Plume)
 - Combined Field Sampling Plan
 - Combined SI report
- Completion of NPL listing evaluation and RI/FS at the same time
- Federal funds are not available for cleanup unless a site is listed on the NPL

- Remedial Activities
 - EPA conducts oversight of RI/FS under Administrative Order on Consent



Next Steps

- Respondent(s) submit offer to EPA to conduct RI/FS- February 2016
- AOC/Workplan negotiations- early 2016
- Remedial Investigation- 2016/2017
- Feasibility Study- 2017/2018
- Stakeholder meetings throughout process



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