



DNAPL Recovery Update  
Polychrome East & West Sites  
Yonkers, New York

May 10, 2022

AGENDA

- 1 Current Status
- 2 Recovery Evaluation
- 3 Investigation and Potential Replacement
- 4 Questions





## Poly Chrome East Site

- Recovery Occurring at two wells
  - NW-3 and NW-4
  - Request to reduce frequency to monthly
- Request to Abandon three wells
  - NW-1, NW-2 and NW-5



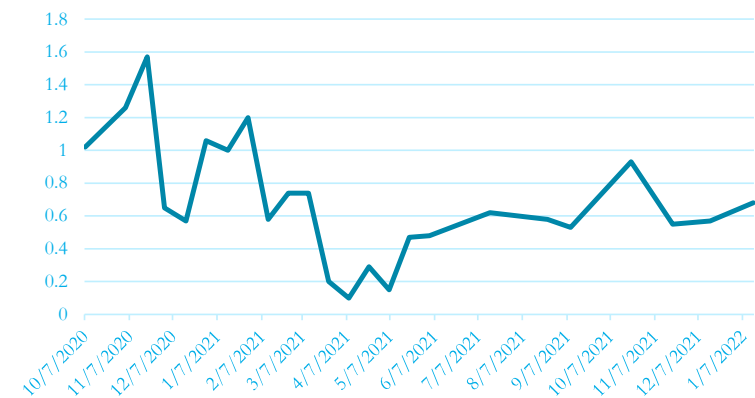
## PCE - LNAPL & DNAPL Monitoring Frequency

- NW-3 and NW-4 have a 3-foot sump and are currently monitored on a bi-weekly basis.
  - NW-3 has not had a measurable DNAPL greater than 3 feet since January 2021.
  - NW-4 has never had a measurable DNAPL greater than 3 feet since January 2020.
- Con Edison recommends that these wells be returned to monthly monitoring in accordance with the requirements of the SMP.

NW-3 Pre-Pumping Measurements



NW-4 Pre-Pumping Measurements



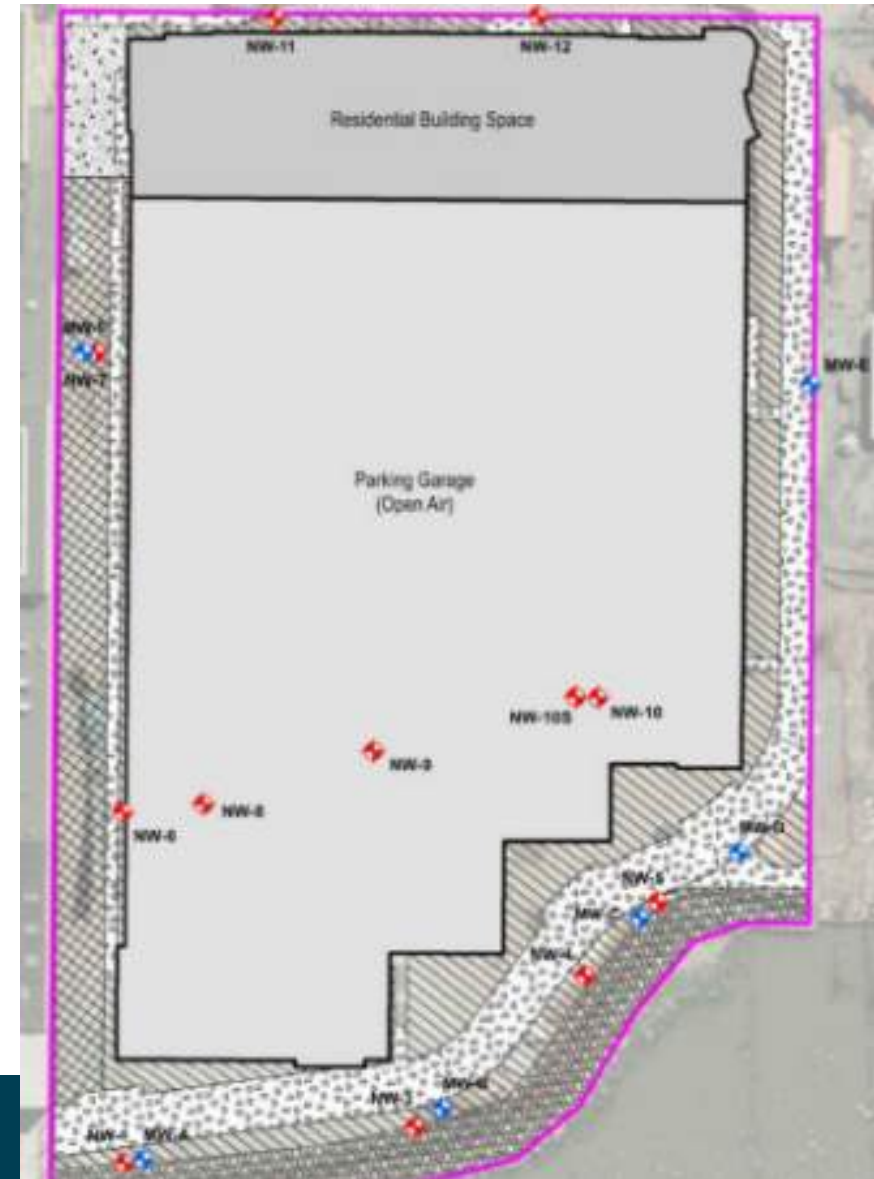
## PCE - LNAPL & DNAPL Monitoring Frequency

- *SMP Section 4.5 Page 24: LNAPL and DNAPL monitoring will be performed monthly (beginning post COC) for a period of two years to document the presence of LNAPL and DNAPL, if any.*
- *The NYSDEC may approve the removal of monitoring requirements from certain NAPL recovery wells **if no NAPL accumulation is observed during the initial two years of monitoring and reporting.***
- Three of the NAPL recovery wells on Polychrome East have been monitored met this criteria.
  - NW-1, NW-2, and NW-5 have not had any measurable NAPL in the wells.
  - Request that these wells be removed from the monitoring requirements and abandoned



## Poly Chrome West

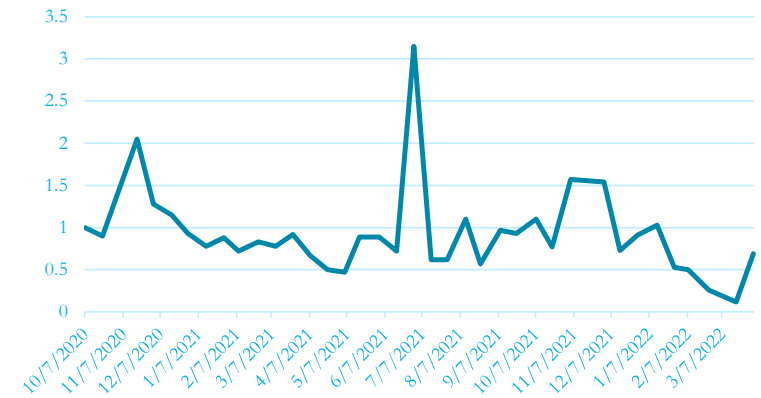
- Recovery Occurring at six wells
  - NW-5, NW-6, NW-8, NW-9, NW-10, NW-11
  - Request to reduce frequency to monthly at three wells: NW-8, NW-9, and NW-11
- Request to Abandon six wells and discontinue monitoring per SMP
  - NW-1, NW-3, NW-4, NW-7, NW-10S and NW-12



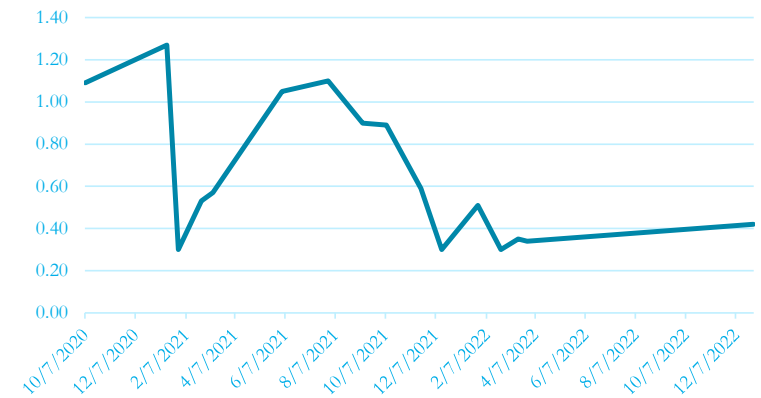
## PCW - LNAPL & DNAPL Monitoring Frequency

- All of the NAPL Recovery Wells on the PCW site have a 3-foot sump and are currently monitored on a bi-weekly basis.
  - NW-8 has only had one event with a measurable DNAPL greater than 3 feet.
  - NW-11 and NW-9 have never had measurable DNAPL greater than 3 feet.
- Con Edison recommends that these wells be returned to monthly monitoring in accordance with the requirements of the SMP.

NW-8 Pre-Pumping Measurements



NW-11 Pre-Pumping Measurements



## PCW - LNAPL & DNAPL Monitoring Frequency

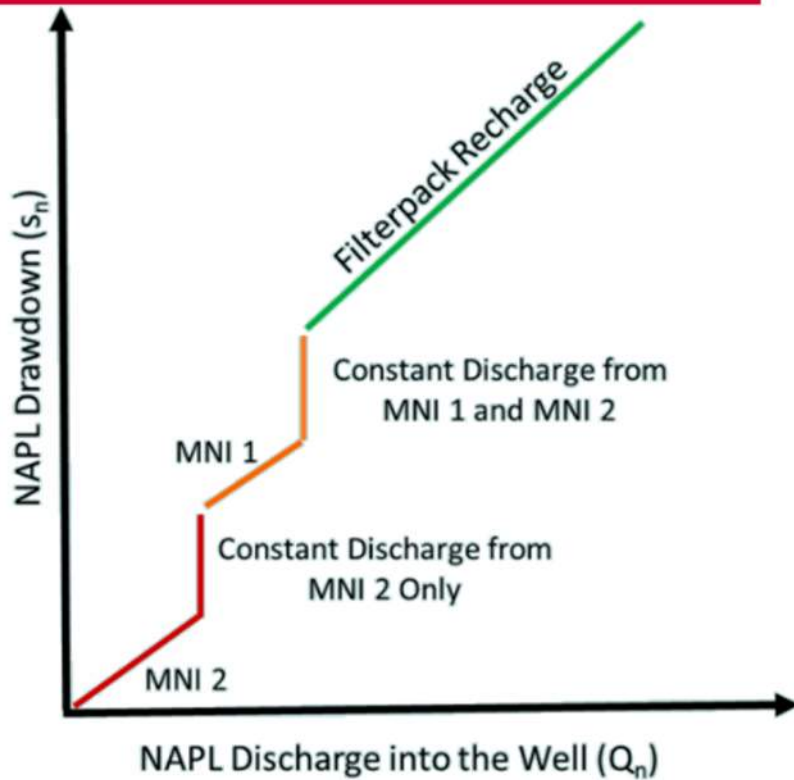
- *SMP Section 4.5 Page 24: LNAPL and DNAPL monitoring will be performed monthly (beginning post COC) for a period of two years to document the presence of LNAPL and DNAPL, if any.*
- *The NYSDEC may approve the removal of monitoring requirements from certain NAPL recovery wells **if no NAPL accumulation is observed during the initial two years of monitoring and reporting.***
- Six of the NAPL recovery wells on Polychrome West have been monitored met this criteria.
  - NW-1, NW-3, NW-4, NW-7, NW10S, NW-12 have not had any measurable NAPL in the wells.
  - Request that these wells be removed from the monitoring requirements and abandoned.



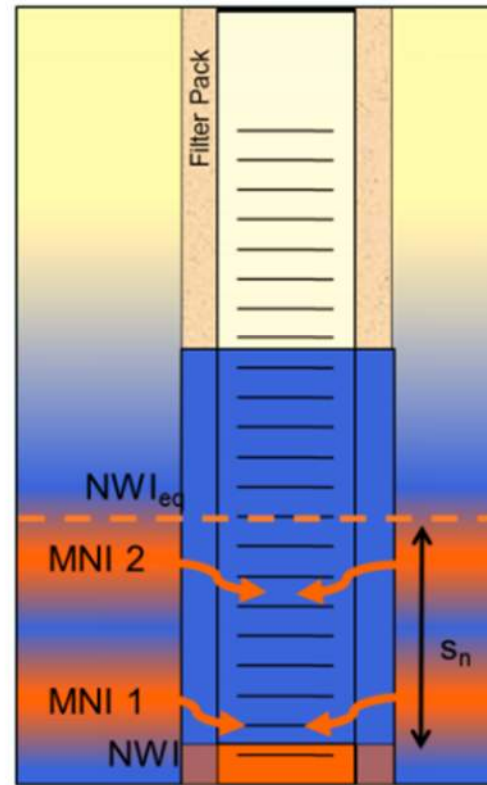




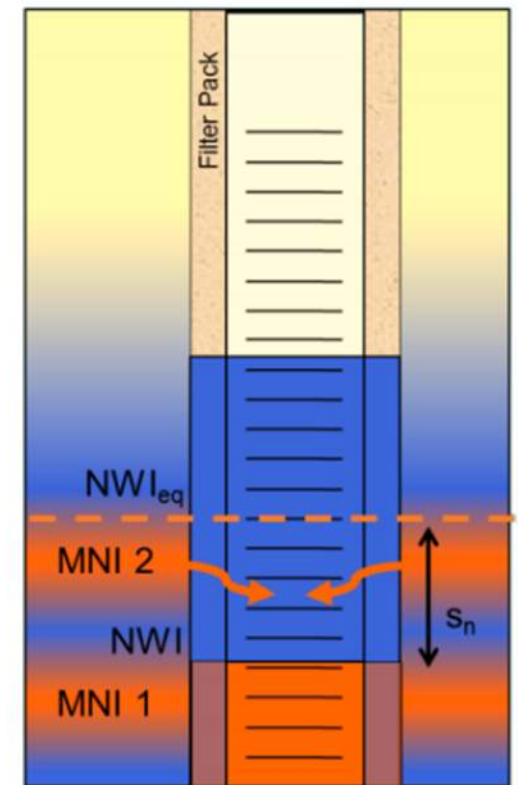
# DNAPL Recovery Evaluation



NAPL from both MNIs entering the well.



MNI 1 is in equilibrium, but NAPL from MNI 2 still entering the well.

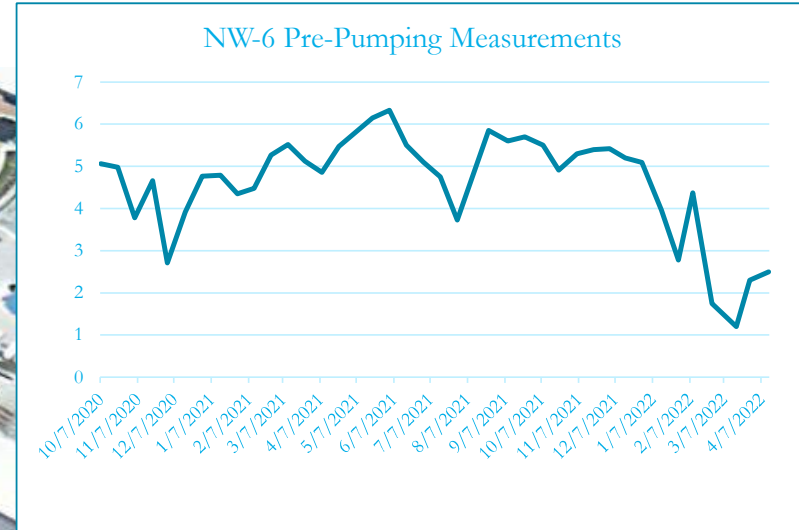
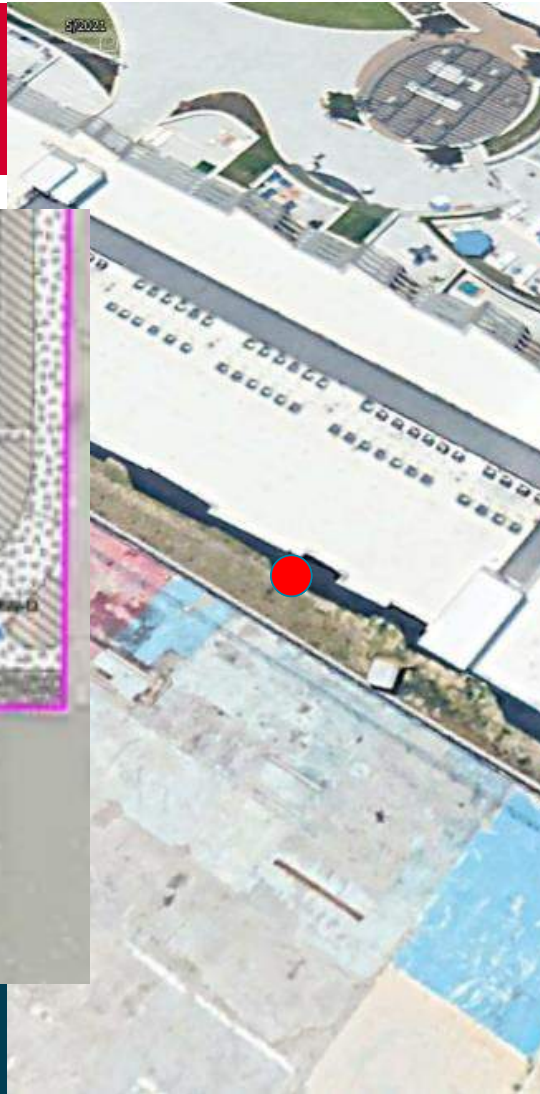
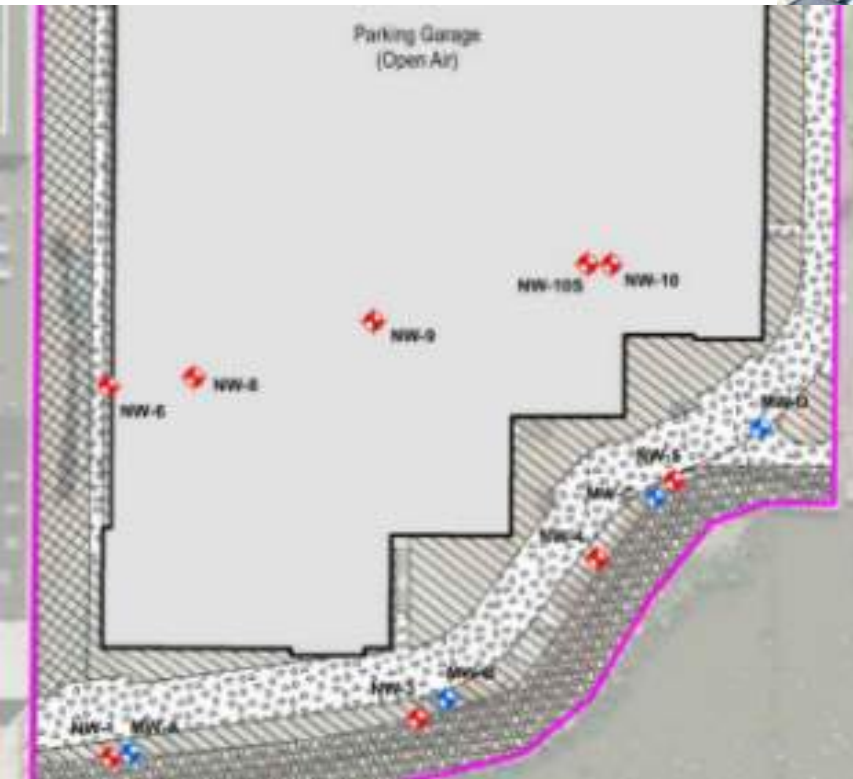


# PCW Well Replacement Investigations





# PCW Well Replacement Investigations



Questions

