Remediation of the RVSD Property at 2000 Larkspur Landing Circle:

Overview of Remediation Work Plan and Issuance of RFP for Site Characterization

(August 17th 2016)
Introduction

• Overview of Past Actions
• Site Conceptual Model Review
• EPA Consultations
• Site Characterization and Remediation Sequence
• Schedule for Completion
• Q&A, Discussion
Overview of Recent Actions

- July 2015: Board approved remediation objective of unrestricted future land use.
- March 2016: Board direction to draft remediation work plan in consultation with EPA Region 9
- March-July 2016: EPA consultations on alternatives for remediation approach.
- Shift to Risk-Based Remediation Basis
- Development of EPA-Approved Work Plan
Site Conceptual Model Review - WWTP Demolition Limits
Site Conceptual Model Review
Backfill Limits

Conceptual Layers:
- Imported Soil
- Concrete Debris
- Site Boundary
- Limits of Construction Backfill (Initial Imported Soil & crushed concrete)
- 2012 Regraded Area
Site Conceptual Model: Impacted Areas

- Site Boundary
- Historical Remedial Excavations
- Construction Backfill 0-2 ft
- Construction Backfill 2-4 ft
- Construction Backfill 4-20 ft
Site Characterization Areas

- Site Boundary
- Limits of Construction Backfill
- Sidewalk Area
- Drainage Swale
EPA Consultation

- Consultations from March through July 2016
- Refined approach to “risk based” remediation.
- Considered four primary options for sequence of characterization and remediation work.
- EPA and RVSD technical team concurrence on recommended sequence for characterization, remediation, confirmation sampling.
- EPA will review final remediation work plan in late 2016, based on characterization results.
Overview of Remedial Activities

- Investigation to characterize materials.
- Excavate clean surface materials and stockpile on-site.
- Excavate PCB-impacted soils and dispose.
- Collect confirmation samples.
- Backfill with clean imported material and regrade.
- Obtain “no further action” determination from USEPA.
Characterization Sample Grid

LEGEND
- Grdd Boring Location
  (Graded Surface, Near Surface, Demolition Backfill, Pre-confirmation Depth Samples)
  25' x 25' Grdd
  Approximately 250 Locations
- Perimeter Boring Location
  (Pre-confirmation Perimeter Samples)
  25-ft Spacing
  Approximately 60 Locations
- Internal Perimeter Locations
  (Pre-confirmation Interior Samples)
  25-ft Spacing
  Approximately 100 Locations
- Drainage Swale Sediment Samples (5 Locations)
- Sidewalk Samples (4 Locations)

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Characterization and Remediation Sequence

1. Sampling to Pre-Characterize Waste and Pre-Confirm Limits
2. Excavate and Stockpile Clean Fill
3. Excavate, Direct Load, and Off Haul Soil and Debris
4. Restoration Backfill with Stockpiled Clean Fill and Import
Project Schedule

- June 2016: Draft Work Plan Submitted
- July 2016: USEPA Comments Received
- August 2016: Final Work Plan Submitted
- Sep-Dec 2016: Characterization Field Work
- Jan-Feb 2017: Draft Cleanup Plan Submitted
- March 2017: USEPA Cleanup Plan Approval
- Apr-Sep 2017: Remediation Work Complete
- Dec 2017: Parcel clear for unrestricted future land use.
QUESTIONS, ANSWERS, DISCUSSION....