

Project Authorization Increase For Cleanup of the Alexander Avenue Petroleum Tank Facilities



Project Authorization Alexander Avenue Tank Facilities



Request project authorization in the amount \$450,000 for a total authorized amount of \$2,248,000, for work associated with the Alexander Avenue Petroleum Tank Facilities Cleanup Site, Master Identification Nos. 094217 and 101312.01.



Hylebos Waterway

Project Site

Former Occidental
Chemical Corporation
Facility

OCC
parcel

Port
parcel

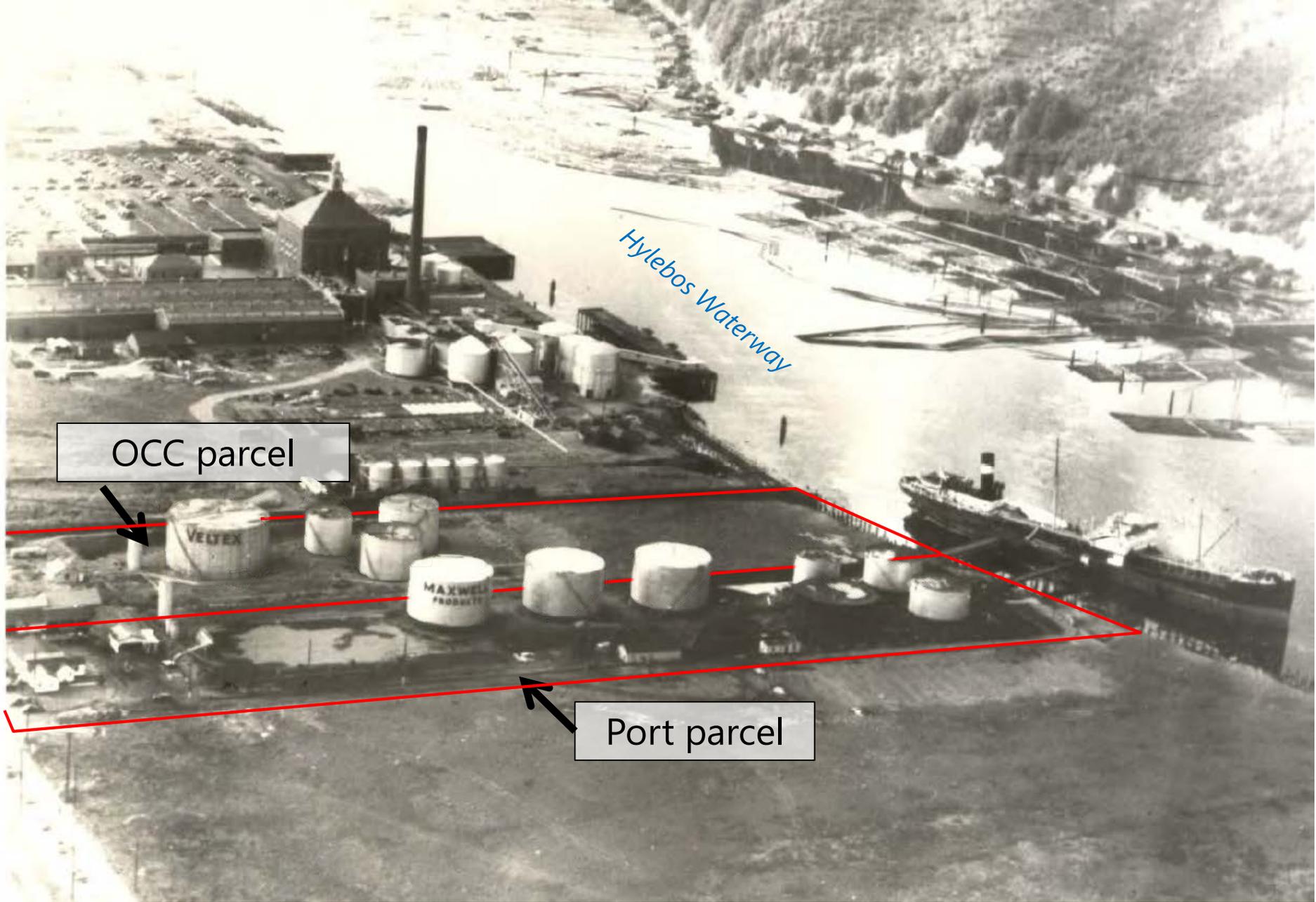
PSE leasehold

Alexander Ave E

Tote Maritime Terminal

E 11th St

Blair Waterway



Circa 1936 - 1946

Project Outline Alexander Avenue Tank Facilities



Discover



Investigate (iterative)



Evaluate Cleanup Options



Identify Preferred Cleanup



Design Cleanup



Cleanup "Construction"



Operations & Monitoring

RI/FS
& CAP

We
are
here

Cleanup
(Public Works)

| | | | | | | | | | | | | | | |
|---------------------------------------|--------|-----------------------------------|--------|----------------------------------|--------|--------------------------------------|--------|--|--------|--|--------|---|--------|------------------------------------|
| Stage 0 Regulatory Site Listing | Gate 1 | Stage 1 Agency Negotiations | Gate 2 | Stage 2 Investigation (RI) | Gate 3 | Stage 3 Feasibility Study (FS) | Gate 4 | Stage 4 Clean Up Action Plan (CAP) | Gate 5 | Stage 5 Interim Actions (Construction) | Gate 6 | Stage 6 Final Action (Construction) | Gate 7 | Stage 7 Long-Term Monitoring |
|---------------------------------------|--------|-----------------------------------|--------|----------------------------------|--------|--------------------------------------|--------|--|--------|--|--------|---|--------|------------------------------------|

Background Alexander Avenue Tank Facilities



2013

- Ecology issues Potentially Liable Party letter
- Commission authorizes project (\$626,000)
- Port and OCC enter into cost sharing agreement (60/40)
- Joint Agreed Order executed

2014

- Commission authorizes additional project authorization (\$1,021,000).

Background Alexander Avenue Tank Facilities



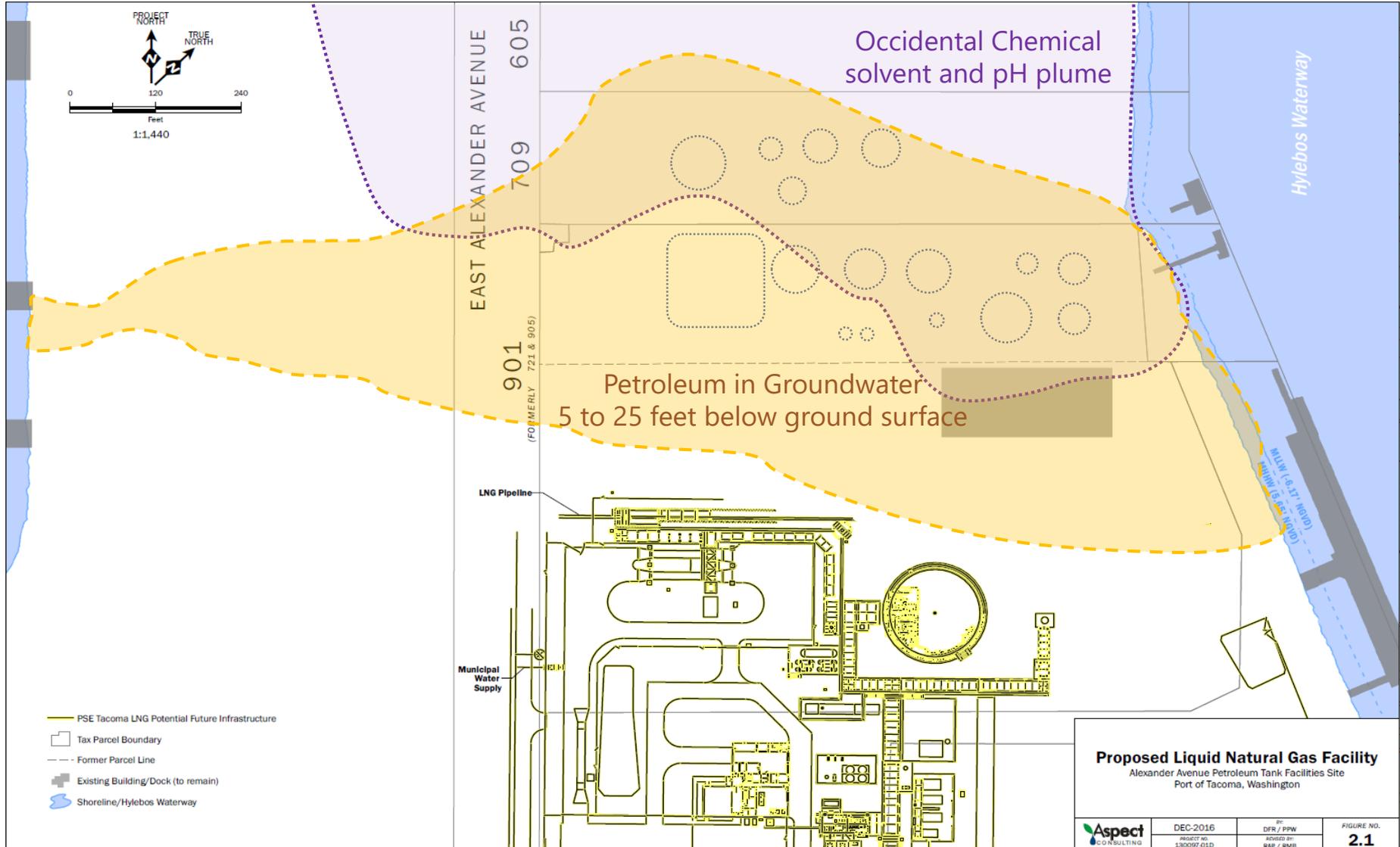
2016

- Completion of the remedial investigation
- Feasibility study work begins

2017

- Procurement of new environmental consultant
- Commission authorizes additional project authorization (\$151,000)

Results of the Remedial Investigation Alexander Avenue Tank Facilities



Agreed Order Commitments Alexander Avenue Tank Facilities



Agreed Order Commitments:

- Screening Level Technical Memorandum
- Remedial Investigation (RI)
- Feasibility Study (FS)
- Draft Cleanup Action Plan (DCAP)

FS technology screening report completed in October 2018.

Source of Funds

Alexander Avenue Tank Facilities



- The estimated remaining budget for this project is \$539,000.
- The current Capital Investment Plan (CIP) allocates \$414,000 for this project. The CIP will be increased during the 2020 budget cycle.

Financial Summary Alexander Avenue Tank Facilities



| Alexander Ave Petroleum Tank | MID | This Request | Total Previous Requests | Total Estimated Project Costs | Cost to Date | Remaining Cost |
|------------------------------|-----------|------------------|-------------------------|-------------------------------|--------------------|------------------|
| Investigation | 94217 | \$300,000 | \$1,798,000 | \$2,098,000 | \$1,709,000 | \$389,000 |
| Cost Recovery | 101312.01 | \$150,000 | \$0 | not estimable | \$0 | not estimable |
| Remediation | TBD | \$0 | \$0 | not estimable | \$0 | not estimable |
| TOTALS | -- | \$450,000 | \$1,798,000 | \$2,248,000 | \$1,709,000 | \$539,000 |

Schedule: complete AO commitments by fourth quarter 2019.

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