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Agenda

Petroleum Partnership

• Partnership between Indiana Finance Authority (IFA) and Indiana Department of Environmental Management (IDEM)

• Petroleum Orphan Site Initiative (POSI)

• Funding Sources

• Eligible Sites

• Process/Stats

• Site Examples
UST Branch
OLQ
Enforcement Section

Environmental Programs

Non-Environmental Programs

- Indiana Finance Authority Staff
- Indiana Dept. of Environmental Management Staff

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- Indiana Dept. of Environmental Management Staff
Petroleum Partnership

POSI Mission

Petroleum Orphan Site Initiative (POSI)

• Addressing petroleum contamination on brownfield sites resulting from leaking underground storage tanks that cannot be addressed by the responsible party due to an inability-to-pay, bankruptcy, or other factors (orphan sites).
POSI Funding Source

State Funding

- Excess Liability Trust Fund Transfer (ELTF)
  State budget cycle every 2 years

Fiscal year
2014-15 $3 MM
2016-2017 $2.91MM
2018-2019 $3 MM
2020-2021 $5 MM

- Petroleum Trust Fund transfer each year approx. $960,000
Partnership Beginnings

American Recovery and Reinvestment Act (ARRA)

ARRA work began in 2009/2010 and Brownfields coordinated initially with IDEM Enforcement Section to identify sites with an inability-to-pay, bankruptcy, etc.

- The coordination was carried over to POSI funding and included UST/LUST Sections to divert sites prior to Enforcement getting involved.
- Sites with UST facility identification (FID) are vetted with both Brownfields and UST Programs to ensure funding is going to deserving communities.
- Also coordinate with local municipalities to obtain sites prior to going for back taxes.
Partnership Transformation

POSI Eligible Sites

Municipally owned (non RP)
- Acquired through back taxes, bankruptcy or acquired for redevelopment purposed

UST Enforcement where RPs demonstrate inability-to-pay
- US EPA INDI-PAY, bankruptcy

Developers or private parties that are non RP to facilitate redevelopment on non regulated USTs
POSI Process

Sites deemed eligible

Brownfields Program - pre-qualified pool of consultants, RFP is issued for each site based on site conditions

- Sites with no info include: Phase I, geophysical, UST removal, Phase II, and final monitoring
  - Average duration is 2 years
  - Site remains in process until NFA is issued

- Brownfields Program project managers provide oversight
  - Site visits for UST/soil removal
  - Approve change orders (if needed)
  - Approve invoices
  - Draft Environmental Restrictive Covenants (ERCs)
  - Work cooperatively with consultants to close out sites
POSI Stats

September 30, 2019 update:

- **64 sites** approved for since April 2014 funding in 49 communities (42 counties)
- Total obligated: $12,565,241 (141 % of appropriated funds available through SFY20)
- Disbursed to date: $10,723,277 (76 % of approved budgets)
- Average project budget: $196,332 (highest: $804,483; lowest: $6,828)
- Median project budget: $172,156
- Closures: Issued 26 No Further Action (NFA) letters issued, 2 Site Status Letters, Draft 7 NFAs/1 Comfort & Closure Letter (45% of awarded sites)
  - 92 USTs removed, 7 closed in place, 7 fuel oil USTs removed
  - 4 hydraulic lifts removed, 3 ASTs removed
  - 27,834 tons of petroleum-impacted soil removed
  - 163,449 gallons of liquid/sludge removed
Thornhill Oil
Fort Wayne, Allen County
Thornhill Oil-Stats

1.97 acre site operated as gas station from 1975 to 2011 and referred from Enforcement for inability to pay

- 12 USTs removed – (9) 12,000-gallon, (1) 8,000-gallon, (1) 6,000-gallon and (1) 2,000-gallon
- 3,764 tons of contaminated soil removed
- 25,760 gallons of petroleum contaminated liquid removed
- Contamination of groundwater in shallow and deep aquifer
- Injection of 13,792 lbs of sodium persulfate, diluted hydrogen peroxide, 1,109 lbs of zero-valent iron, 9,800 lbs of Protevectus-Ox®
- Cost $564,853, NFA Issued
Frank Foundry
Muncie, Delaware County
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Frank Foundry
Muncie, Delaware County

Frank Foundry Stats

10 acre site operated as a foundry since early 1910s and US EPA requested removal of 1 UST after immediate removal of asbestos building debris

- 5 USTs removed – (2) 4,000-gallon, (2) 300-gallon, (1) 500-gallon
- Approximately 500 ft of product line chase removed
- 6,521 tons of contaminated soil removed
- 11,163 gallons of petroleum contaminated liquid/sludge removed
- Cost $434,182, NFA Issued
Anna Daisy
North Vernon, Jennings County

0.25 acres site – gas station from 1970s until mid 2000’s and commercial (candy shop) use until removal with inability to pay demonstration

• 3 USTs removed,
• 523.7 tons of soil removed
• 2,300 gallons of contaminated liquids
• 660 lbs of ORC® applied to open excavation
• Cost $105,854, NFA Issued
Shanes Marathon
Swayneze, Grant County
Shanes Marathon
Swayzee, Grant County
Shanes Marathon Stats

Swayzee, Grant County

Shanes Marathon Stats

0.34 acre site historically used as a gas station since 1920s to 2007

• Removed 8 USTs, 2 waste oil vaults, 2 hydraulic lifts, approximately 34 drums
  • UST removed from road right-of-way and under the building after demolition

• Decommissioned approx. 90 ft drinking water well

• Removal of 61,842 gallons petroleum impacted water, 4,778.37 tons of impacted soil

• Property owner demolished building after discovery of UST and conditions on-Site

• Cost $398,718, NFA issued
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Check out the Indiana Brownfields Program web site at: www.brownfields.in.gov

To subscribe to the Brownfields Bulletin Listserv, go to the IFA Home Page and select the mail icon at the bottom left.

Environmental Stewardship. Economic Development
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