From:	Hamill, Nancy [DEP]
To:	Soukup, James; Ferreira, Gina
Cc:	Ferreira, Steve; Mark D. Fisher (MFisher@ELMINC.COM); Sontag, John
Subject:	RE: [EXT]:Fwd: Hatco Figures
Date:	Monday, July 26, 2021 9:51:13 AM

Thank you Jim, this is important for everyone to have as a reference for the discussion.

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From: Soukup, James <Jim.Soukup@WestonSolutions.com>
Sent: Monday, July 26, 2021 8:27 AM
To: Hamill, Nancy [DEP] <Nancy.Hamill@dep.nj.gov>; Ferreira, Gina <ferreira.gina@epa.gov>
Cc: Ferreira, Steve <Ferreira.Steve@epa.gov>; Mark D. Fisher (MFisher@ELMINC.COM) <mfisher@elminc.com>; Sontag, John <John.Sontag@WestonSolutions.com>
Subject: [EXTERNAL] FW: [EXT]:Fwd: Hatco Figures

Good morning Nancy and Gina,

Attached is a file with the maps showing the observed concentrations of PCBs and BEHP in the wetland area south of Hatco. Sorry for the delay in getting these to you. It was quite a challenge to get all of the various historical data sets loaded into a comprehensive GIS database and then plot them on the maps in a legible format.

Looking forward to our call tomorrow. Let me know if you have any questions.

Regards,

Jim Soukup

Weston Solutions, Inc
Office 603.656.5480
Cell 603.305.0337

> **From:** "Hamill, Nancy [DEP]" <Nancy.Hamill@dep.nj.gov>
> **Date:** July 7, 2021 at 4:06:35 PM EDT
> **To:** Mark Fisher <MFisher@elminc.com>
> **Cc:** "Ferreira, Steve" <Ferreira.Steve@epa.gov>
> **Subject: Hatco Figures**
>
> Hi Mark, hope your summer is going well.

I'm following up to see if you've supplied Steve Ferreira with the large scale sample location-contaminant concentration maps for PCBs and BEHP in the Channel D area (northern, central, southern sections). I asked that these be provided the last time we met. These figures are critical reference materials to understand contaminant migration and potential off-site-contributions.
If not already provided, please do so prior to the 7/27 telecon.
Thank you.

Regards,

Nancy E. Hamill
Research Scientist
Bureau of Environmental Evaluation and Risk Assessment
Mailcode: 401-05W
P.O. Box 420
Trenton, NJ 08625
Phone: 609-633-1353
Fax: 609-292-0848

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DRAFT

See Map 2 of 3

NOTES:
1. All results mg/kg (milligram per kilogram).
2. J - Estimated Value.
3. U - Undetected Value.
4. Y - Calculated Value.
5. All sample depths are in feet below ground surface.
6. PCB - Polychlorinated Biphenyl.
7. Soil results displayed in yellow result box.
8. Sediment results displayed in green result box.
9. NAPL results displayed in red result box.
10. Split samples were collected at some locations and depths. Both results are shown.

SOURCES:
1. Base Map: New Jersey 2012 - 2013 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID MG4 Tiles. NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS). March 2013. https://njgin.state.nj.us/NJ_NJGINExplorer/IW.jsp.
2. Parcel Boundaries: Parcels of Woodbridge Township, Middlesex County, New Jersey State Plane NAD83. Woodbridge Township Information Services. October 2009. https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp

Sample Location: CDG_382
Sample Depth: 0-0.5
Sample Result: 0.826
Analytical Flag: U

Legend
- Soil Sample Location
- Sediment Sample Location
- Drainage
- Ditch
- Extent of Impacted Soils as of Phase V Sampling, EPEC AOC 4
- Extent of EPEC AOC 4 Impacts Based on 1977 Aerial
- Match Lines
- Channel D Railroad Buffer (From Center Line)
- Approximate Property Boundary

20 10 0 20 40
Graphic Scale In Feet

DRAWING TITLE:	NORTHERN PORTION OF LOWLANDS PCB RESULTS (WESTON DATA ONLY)
CLIENT NAME:	Hatco Corporation
PROJECT NAME:	Hatco Remediation
FIGURE:	1a
SCALE:	1" = 20'
DATE:	7/23/2021
REPORT DATE:	July 2021
DRAWING:	27235_AOC25_PCB_1a_of_3_R.mxd
PATH:	P:\Hatco\GIS\MXD\2021_07_AOC25\
REVISION No.	0
WORK ORDER No.	13067.001.003.4001
PROJECT MANAGER:	J. Sontag
CHECKED BY:	A. McGahan
CONTRACT No.	
DELIVERY ORDER NO.	
DRAWN/MODIFIED BY:	H. Bravo-Ruiz
DATE CREATED:	7/19/2021

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205 Campus Drive Edison, New Jersey 08837-3939
TEL: (732) 417-5800 Fax: (732) 417-5801
http://www.westonsolutions.com

NOTES:
1. All results mg/kg (milligram per kilogram).
2. J - Estimated Value.
3. U - Undetected Value.
4. Y - Calculated Value.
5. All sample depths are in feet below ground surface.
6. PCB - Polychlorinated Biphenyl.
7. Soil results displayed in yellow result box.
8. Results for unspecified sample matrix displayed in white result box.
9. NAPL results displayed in red result box.
10. Split samples were collected at some locations and depths. Both results are shown.

SOURCES:
1. Base Map: New Jersey 2012 - 2013 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID MG4 Tiles. NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS). March 2013. https://njgin.state.nj.us/NJ_NJGINExplorer/IW.jsp.
2. Parcel Boundaries: Parcels of Woodbridge Township, Middlesex County, New Jersey State Plane NAD83. Woodbridge Township Information Services. October 2009. https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp

DRAWING TITLE: NORTHERN PORTION OF LOWLANDS PCB RESULTS (NON-WESTON DATA)	CLIENT NAME: Hatco Corporation	N / W / E / S	REPORT DATE: July 2021	PROJECT MANAGER: J. Sontag
	PROJECT NAME: Hatco Remediation		DRAWING: 27234_AOC25_PCB_1b_of_3_R.mxd PATH: P:\Hatco\GIS\MXD\2021_07_AOC25\	CHECKED BY: A. McGahan
			REVISION No. 0	CONTRACT No. DELIVERY ORDER NO.
FIGURE: 1b / SCALE: 1" = 20' / DATE: 7/23/2021			WORK ORDER No. 13067.001.003.4001	DRAWN/MODIFIED BY: H. Bravo-Ruiz DATE CREATED: 7/19/2021

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DRAWING TITLE:

NORTHEN PORTION OF LOWLANDS BEHP RESULTS

FIGURE: 2

SCALE: 1 " = 20 '

DATE: 7/23/2021

CLIENT NAME: Hatco Corporation

PROJECT NAME: Hatco Remediation

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REPORT DATE: July 2021

DRAWING: 27236_AOC25_BEPH_1_of_3_R.mxd

PATH: P:\Hatco\GIS\MXD\2021_07_AOC25\

REVISION No. 0

WORK ORDER No. 13067.001.003.4001

PROJECT MANAGER: J. Sontag

CHECKED BY: A. McGahan

CONTRACT No.

DELIVERY ORDER NO.

DRAWN/MODIFIED BY: H. Bravo-Ruiz

DATE CREATED: 7/21/2021

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See Map 1 of 3

Hartman's Pond

Ditch (1966)

Cranes Mill Creek (1966)

Hartsman's Pond Discharge (1939)

See Map 3 of 3

NOTES:
1. All results mg/kg (milligram per kilogram).
2. J - Estimated Value.
3. U - Undetected Value.
4. All sample depths are in feet below ground surface.
5. PCB - Polychlorinated Biphenyl.
6. Soil results displayed in yellow result box.
7. Sediment results displayed in green result box.
8. Split samples were collected at some locations and depths. Both results are shown.

SOURCES:
1. Base Map: New Jersey 2012 - 2013 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID MG4 Tiles. NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS). March 2013. https://njgin.state.nj.us/NJ_NJGINExplorer/IW.jsp.
2. Parcel Boundaries: Parcels of Woodbridge Township, Middlesex County, New Jersey State Plane NAD83. Woodbridge Township Information Services. October 2009. https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp

Sample Location — CDG_382 — Sample Depth; Sample Result — 0-0.5 / 0.026 U — Analytical Flag

Legend
- Soil Sample Location
- Sediment Sample Location
- Drainage
- Ditch
- Extent of EPEC AOC 4 Impacts Based on 1977 Aerial
- Match Lines
- Approximate Property Boundary

20 10 0 20 40
Graphic Scale in Feet

DRAWING TITLE:	CENTRAL PORTION OF LOWLANDS PCB RESULTS
CLIENT NAME:	Hatco Corporation
PROJECT NAME:	Hatco Remediation
FIGURE:	3
SCALE:	1 " = 20 '
DATE:	July 2021
REPORT DATE:	July 2021
DRAWING:	27208_AOC25_PCB_2_of_3.mxd
PATH:	P:\Hatco\GIS\MXD\2021_07_AOC25\
REVISION No.	0
WORK ORDER No.	13067.001.003.4001
PROJECT MANAGER:	J. Sontag
CHECKED BY:	A. McGahan
CONTRACT No.	
DELIVERY ORDER NO.	
DRAWN/MODIFIED BY:	J. Gardner
DATE CREATED:	7/14/2021

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DRAFT

See Map 1 of 3

Hartman's Pond

Hartman's Pond Discharge (1939)

Ditch (1966)

Cows Mill Creek (1956)

See Map 3 of 3

NOTES:
1. All results mg/kg (milligram per kilogram).
2. J - Estimated Value.
3. U - Undetected Value.
4. All sample depths are in feet below ground surface.
5. BEHP - Bis(2)ethylhexyl phthalate.
6. Soil results displayed in yellow result box.
7. Sediment results displayed in green result box.
8. Split samples were collected at some locations and depths. Both results are shown.

SOURCES:
1. Base Map: New Jersey 2012 - 2013 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID MG4 Tiles. NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS). March 2013. https://njgin.state.nj.us/NJ_NJGINExplorer/IW.jsp.
2. Parcel Boundaries: Parcels of Woodbridge Township, Middlesex County, New Jersey State Plane NAD83. Woodbridge Township Information Services. October 2009. https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp

Sample Location: CDG 382
Sample Depth: 0-0.5
Sample Result: 0.026
Analytical Flag: U

Legend
- Soil Sample Location
- Sediment Sample Location
- Drainage
- Ditch
- Extent of EPEC AOC 4 Impacts Based on 1977 Aerial
- Match Lines
- Approximate Property Boundary

20 10 0 20 40
Graphic Scale in Feet

N W E S

DRAWING TITLE:	CENTRAL PORTION OF LOWLANDS BEHP RESULTS
CLIENT NAME:	Hatco Corporation
PROJECT NAME:	Hatco Remediation
REPORT DATE:	July 2021
PROJECT MANAGER:	J. Sontag
DRAWING:	27207_AOC25_BEHP_2_of_3.mxd
PATH:	P:\Hatco\GIS\MXD\2021_07_AOC25\
CHECKED BY:	A. McGahan
REVISION No.	1
CONTRACT No.	
DELIVERY ORDER NO.	
WORK ORDER No.	13067.001.003.4001
DRAWN/MODIFIED BY:	J. Gardner
DATE CREATED:	7/14/2021
FIGURE:	4
SCALE:	1 " = 20 '
DATE:	July 2021

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NOTES:
1. All Results mg/kg (milligram per kilogram).
2. J - Estimated Value.
3. U - Undetected Value.
4. All sample depths are in feet below ground surface.
5. PCB - Polychlorinated Biphenyl.

SOURCES:
1. New Jersey 2012 - 2013 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID MG4 Tiles. NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS) March 2013. https://njgin.state.nj.us/NJ_NJGINExplorer/
2. Parcel Boundaries: Parcels of Woodbridge Township, Middlesex County, New Jersey State Plane NAD83. Woodbridge Township Information Services. October 2009. https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp

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REPORT DATE:	July 2021
PROJECT MANAGER:	J. Sontag
CLIENT NAME:	Hatco Corporation
DRAWING:	27206_AOC25_PCB_3_of_3.mxd
PATH:	P:\Hatco\GIS\MXD\2021_07_AOC25\
CHECKED BY:	A. McGahan
REVISION No.	0
CONTRACT No. / DELIVERY ORDER NO.	
PROJECT NAME:	Hatco Remediation
WORK ORDER No.	13067.001.003.4001
DRAWN/MODIFIED BY:	J. Gardner
DATE CREATED:	7/14/2021
DRAWING TITLE:	SOUTHERN AOC 25 (PCBs)
FIGURE:	5
SCALE:	1 " = 200 '
DATE:	July 2021

DRAFT

See Map 1 of 3

See Map 2 of 3

Block: 62
Lot: 2
Owner: EPEC POLYMERS INC

Block: 61
Lot: 1.01
Owner: GREDEL PROPERTIES LLC

Block: 57.02
Lot: 12.021
Owner: N J DEPT OF TRANS-DIV OF SUPP SERVS

Block: 58
Lot: 1
Owner: PRAXAIR INC PROP TX K2

Block: 58
Lot: 5.02
Owner: PRAXAIR INC PROP TX K2

Block: 58
Lot: 1.01
Owner: PRAXAIR INC PROP TX K2

Block: 41.03
Lot: 4.01
Owner: CMR ASSOC/MACYS EAST TAX

Block: 51
Lot: 2.01
Owner: SECOND CLASS R R

Block: 51
Lot: 2
Owner: RECYCLING TECHNOLOGY DEVELOP LLC

Block: 51
Lot: 2.03
Owner: RECYCLING TECHNOLOGY DEVELOP LLC

Block: 51
Lot: 2.02
Owner: RECYCLING TECHNOLOGY DEVELOP LLC

Block: 51
Lot: 3
Owner: LEFCOURT ASSOCIATES LTD

Block: 77
Lot: 100.01
Owner: GREDEL PROPERTIES LLC

Block: 90.01
Lot: 1.02
Owner: SECOND CLASS R R

Block: 77
Lot: 100
Owner: TOWNSHIP OF WOODBRIDGE

Block: 89.01
Lot: 2
Owner: GREDEL PROPERTIES LLC

Block: 75.01
Lot: 1.01
Owner: R MCLAUGHLIN ENTERPRISES INC

Block: 75.01
Lot: 1.02
Owner: R MCLAUGHLIN ENTERPRISES INC

Block: 75.01
Lot: 1.03
Owner: CAPABIANCO, LOUIS & DOLORES

Block: 75.01
Lot: 1.04
Owner: CAPABIANCO, LOUIS & DOLORES

Block: 51
Lot: 1
Owner: RECYCLING TECHNOLO

Block: 80
Lot: 1.01
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

Block: 75.02
Lot: 1
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

Block: 80
Lot: 2
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

Block: 80
Lot: 1
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

Block: 75
Lot: 1
Owner: LEFCOURT ASSOCIATES LTD

Block: 93
Lot: 100
Owner: EPEC POLYMERS INC

Block: 76
Lot: 1.02
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

Block: 88
Lot: 1
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

Block: 76
Lot: 1.01
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

Block: 81
Lot: 1
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

Block: 76
Lot: 1.03
Owner: TILCON WOODBRIDGE URBAN RENEWAL LLC

CDG_363
0-0.5 2.5-3
7700 D 22

CDG_364
0-0.5 2.5-3
380 D 58000 D

CDG_365
0-0.5 2.5-3
2700 D 53 D

CDG_366
0-0.5 2-2.5
5.2 3.7

CDG_367
0-0.5 2-2.5
1100 330

CDG_368
0-0.5 2.5-3
8000 D 3100 D

CDG_369
0-0.5 2.5-3
2.6 0.21 J

CDG_370
0-0.5 2-2.5
0.27 J 0.14 U

CDG_371
0-0.5 2-2.5
0.76 0.14 U

CDG_372
0-0.5 2-2.5
0.24 U 0.14 J

CDG_373
0-0.5 2.5-3
48 D 130 D

CDG_374
0-0.5 2.5-3
59 4

CDG_375
0-0.5 2.5-3
0.19 J 2.3

CDG_376
0-0.5 2.5-3
0.16 U 0.14 U

CDG_377
0-0.5 2.5-3
0.17 U 0.14 U

CDG_378
0-0.5 2.5-3
0.25 J 0.6

CDG_379
0-0.5 2.5-3
0.99 4

CDG_380
0-0.5 2.5-3
0.53 13

CDG_381
Depth Result
0.0-0.5 0.28 J
2.5-3.0 9.1

CDG_382
0-0.5 2.5-3
0.33 J 380 D

CDG_382+10E
Depth Result
2.5-3.0 0.029 U
3.5-4.0 380

CDG_382+4.5N
Depth Result
2.5-3.0 0.042 U
3.5-4.0 0.028 U

CDG_382+50E
Depth Result
2.5-3.0 0.059 J
3.5-4.0 0.043 J

CDG_382+50W
Depth Result
2.5-3.0 7.4 J
3.5-4.0 1.1

CDG_383
0-0.5 2.5-3
0.6 1.6

CDG_383
Depth Result
0.0-0.5 0.6
2.5-3.0 1.6

CDG_382+100E
Depth Result
0.0-0.5 0.23 J
2.5-3.0 95 J
3.5-4.0 0.055 J

CDG_382+100W
Depth Result
0.0-0.5 0.66
2.5-3.0 0.034 U
3.5-4.0 0.036 J

CDG_382+10W
Depth Result
2.5-3.0 12 J
3.5-4.0 3.3

CDG_382
Depth Result Date
0.0-0.5 0.33 J 2/12/14
2.5-3.0 380 D 2/17/14
0.0-0.5 0.17 J 8/24/17
3.0-3.5 15 J 8/24/17

CDG_382+4.5W
Depth Result
2.5-3.0 0.048 U
3.5-4.0 0.037 U

Graphic Scale in Feet
150 75 0 150 300

Sample Location
CDG_382
0-0.5
0.026 U
Sample Depth
Sample Result
Analytical Flag

NOTES:
1. All results mg/kg (milligram per kilogram).
2. J - Estimated Value.
3. U - Undetected Value.
4. All sample depths are in feet below ground surface.
5. BEHP - Bis(2)ethylhexyl phthalate.
6. Soil results displayed in yellow result box.
7. Sediment results displayed in green result box.

SOURCES:
1. Base Map: New Jersey 2012 - 2013 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID MG4 Tiles. NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS). March 2013. https://njgin.state.nj.us/NJ_NJGINExplorer/IW.jsp.
2. Parcel Boundaries: Parcels of Woodbridge Township, Middlesex County, New Jersey State Plane NAD83. Woodbridge Township Information Services. October 2009. https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp

Legend
- Sediment Sample Location
- Match Lines
- Approximate Property Boundary

DRAWING TITLE:	SOUTHERN AOC 25 (BEHP)
CLIENT NAME:	Hatco Corporation
PROJECT NAME:	Hatco Remediation
FIGURE:	6
SCALE:	1 " = 100 '
DATE:	7/22/2021
REPORT DATE:	July 2021
DRAWING:	27204_AOC25_BEHP_3_of_3.mxd
PATH:	P:\Hatco\GIS\MXD\2021_07_AOC25\
REVISION No.	0
WORK ORDER No.	13067.001.003.4001
PROJECT MANAGER:	J. Sontag
CHECKED BY:	A. McGahan
CONTRACT No.	
DELIVERY ORDER NO.	
DRAWN/MODIFIED BY:	J. Gardner
DATE CREATED:	7/13/2021

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