SPRU EEC-20-001
RCRA ICM REPORT FOR SPRU FACILITY

Attachment 12
Request to Import Top Soil

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 200-300

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that would pass a size 80 sieve? no

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Material is "soil" under the definition of DER-10, Section 5.5. The guidance calls for one sample from the facility.

This is virgin material being acquired from a commercial quarry:

Warren W Fane Inc, Perry Pit, Route 40, Speigletown, NY
Mined Land Permit 40283
Latest issue date 06/16/2017

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

All VOC, SVOC and PCB results were undetectable.

All metal results were less than the soil cleanup objectives (SCO) listed in DER-10, Appendix 5 as Table 375-6.8(a) (unrestricted use). This also means that the results are below the SCOs in Table 375-6.8(b) (residential use, as determined appropriate for SPRU DP).

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

SNK (Contractor) procuring from Warren W. Fane

Location where fill was obtained:

Perry Pit, Route 40, Speigletown, NY

Identification of any state or local approvals as a fill source:

NYSDEC Mined Land Permit 40283, 11/06/2018

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Laboratory analysis of soil sample SPRU-TS-FANE02

The information provided on this form is accurate and complete.

William P Duggan

Signature

04/30/2019

Date

William Duggan

Print Name

AECOM

Firm

Adirondack Environmental Services, Inc

Date: *29-Apr-19*

CLIENT:	AECOM Environment	**Client Sample ID:**	SPRU-TS-FANE 02
Work Order:	**190426040**	**Collection Date:**	4/26/2019
Reference:	SPRU Site / KAPL	**Lab Sample ID:**	190426040-002
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES - EPA 8081B						Analyst: **KF**
(Prep: SW3545A - 4/26/2019)						
4,4´-DDD	**ND**	4.4		µg/Kg-dry	1	4/26/2019 7:44:17 PM
4,4´-DDE	**ND**	4.4		µg/Kg-dry	1	4/26/2019 7:44:17 PM
4,4´-DDT	**ND**	4.4		µg/Kg-dry	1	4/26/2019 7:44:17 PM
Aldrin	**ND**	2.3		µg/Kg-dry	1	4/26/2019 7:44:17 PM
alpha-BHC	**ND**	2.3		µg/Kg-dry	1	4/26/2019 7:44:17 PM
alpha-Chlordane	**ND**	2.3		µg/Kg-dry	1	4/26/2019 7:44:17 PM
beta-BHC	**ND**	2.3		µg/Kg-dry	1	4/26/2019 7:44:17 PM
delta-BHC	**ND**	2.3		µg/Kg-dry	1	4/26/2019 7:44:17 PM
Dieldrin	**ND**	4.4		µg/Kg-dry	1	4/26/2019 7:44:17 PM
Endosulfan I	**ND**	2.3		µg/Kg-dry	1	4/26/2019 7:44:17 PM
Endosulfan II	**ND**	4.4		µg/Kg-dry	1	4/26/2019 7:44:17 PM
Endosulfan sulfate	**ND**	4.4		µg/Kg-dry	1	4/26/2019 7:44:17 PM
Endrin	**ND**	4.4		µg/Kg-dry	1	4/26/2019 7:44:17 PM
gamma-BHC	**ND**	2.3		µg/Kg-dry	1	4/26/2019 7:44:17 PM
Heptachlor	**ND**	2.3		µg/Kg-dry	1	4/26/2019 7:44:17 PM
Surr: Decachlorobiphenyl	**56.0**	48.1-135		%REC	1	4/26/2019 7:44:17 PM
Surr: Tetrachloro-m-xylene	**58.0**	44.6-139		%REC	1	4/26/2019 7:44:17 PM
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/26/2019)						
Aroclor 1016	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Aroclor 1221	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Aroclor 1232	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Aroclor 1242	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Aroclor 1248	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Aroclor 1254	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Aroclor 1260	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Aroclor 1262	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Aroclor 1268	**ND**	44		µg/Kg-dry	1	4/26/2019 6:35:15 PM
Surr: Decachlorobiphenyl	**49.4**	48.1-152		%REC	1	4/26/2019 6:35:15 PM
CHLORINATED HERBICIDES - EPA 8321B						Analyst: **KF**
(Prep: SW3545A - 4/26/2019)						
2,4,5-TP (Silvex)	**ND**	402		µg/Kg-dry	1	4/26/2019 9:02:52 PM
Surr: Acifluorfen	**136**	51.2-145		%REC	1	4/26/2019 9:02:52 PM
ICP METALS-EPA 6010C						Analyst: **WB**
(Prep: SW3050B - 4/26/2019)						
Arsenic	**ND**	0.330		µg/g-dry	1	4/29/2019 2:46:58 PM
Barium	**54.2**	0.670		µg/g-dry	1	4/29/2019 2:46:58 PM

Adirondack Environmental Services, Inc

Date: *29-Apr-19*

CLIENT:	AECOM Environment	**Client Sample ID:**	SPRU-TS-FANE 02
Work Order:	**190426040**	**Collection Date:**	4/26/2019
Reference:	SPRU Site / KAPL	**Lab Sample ID:**	190426040-002
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS-EPA 6010C						Analyst: **WB**
(Prep: SW3050B - 4/26/2019)						
Beryllium	**0.400**	0.330		µg/g-dry	1	4/29/2019 2:46:58 PM
Cadmium	**2.03**	0.330		µg/g-dry	1	4/29/2019 2:46:58 PM
Chromium	**11.8**	0.330		µg/g-dry	1	4/29/2019 2:46:58 PM
Copper	**21.2**	0.330		µg/g-dry	1	4/29/2019 2:46:58 PM
Lead	**17.9**	0.330		µg/g-dry	1	4/29/2019 2:46:58 PM
Manganese	**610**	0.670		µg/g-dry	1	4/29/2019 2:46:58 PM
Nickel	**19.5**	3.30		µg/g-dry	1	4/29/2019 2:46:58 PM
Selenium	**ND**	0.330		µg/g-dry	1	4/29/2019 2:46:58 PM
Silver	**ND**	1.30		µg/g-dry	1	4/29/2019 2:46:58 PM
Zinc	**59.1**	0.670		µg/g-dry	1	4/29/2019 2:46:58 PM
MERCURY - SW 7471B						Analyst: **AVB**
(Prep: SW7471B - 4/29/2019)						
Mercury	**0.028**	0.027		µg/g-dry	1	4/29/2019 3:52:24 PM
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 4/26/2019)						
Phenol	**ND**	330		µg/Kg-dry	1	4/29/2019 12:13:00 PM
2-Methylphenol	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
4-Methylphenol & 3-Methlyphenol	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Naphthalene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Acenaphthylene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Acenaphthene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Dibenzofuran	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Fluorene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Hexachlorobenzene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Pentachlorophenol	**ND**	2300		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Phenanthrene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Anthracene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Fluoranthene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Pyrene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Benz(a)anthracene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Chrysene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Benzo(b)fluoranthene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Benzo(k)fluoranthene	**ND**	330		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Benzo(a)pyrene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Indeno(1,2,3-cd)pyrene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Dibenz(a,h)anthracene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Benzo(g,h,i)perylene	**ND**	440		µg/Kg-dry	1	4/29/2019 12:13:00 PM
Surr: 2,4,6-Tribromophenol	**59.1**	26.5-126		%REC	1	4/29/2019 12:13:00 PM

CLIENT:	AECOM Environment	**Client Sample ID:**	SPRU-TS-FANE 02
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Reference:	SPRU Site / KAPL	**Lab Sample ID:**	190426040-002
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 4/26/2019)						
Surr: 2-Fluorobiphenyl	**73.5**	32-136		%REC	1	4/29/2019 12:13:00 PM
Surr: 2-Fluorophenol	**56.9**	30.3-104		%REC	1	4/29/2019 12:13:00 PM
Surr: 4-Terphenyl-d14	**86.0**	30.1-145		%REC	1	4/29/2019 12:13:00 PM
Surr: Nitrobenzene-d5	**61.9**	19.5-123		%REC	1	4/29/2019 12:13:00 PM
Surr: Phenol-d5	**62.8**	27-122		%REC	1	4/29/2019 12:13:00 PM
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 4/26/2019)						
Vinyl chloride	**ND**	27		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Methylene chloride	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Acetone	**ND**	27	S	µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,1-Dichloroethene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,1-Dichloroethane	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
trans-1,2-Dichloroethene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
cis-1,2-Dichloroethene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Chloroform	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,2-Dichloroethane	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
2-Butanone	**ND**	27		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,1,1-Trichloroethane	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Carbon tetrachloride	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Trichloroethene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Benzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Tetrachloroethene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Toluene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Chlorobenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Ethylbenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
m,p-Xylene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
o-Xylene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
Methyl tert-butyl ether	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,3-Dichlorobenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,2-Dichlorobenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,4-Dichlorobenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,4-Dioxane	**ND**	270		µg/Kg-dry	1	4/27/2019 1:45:00 AM
sec-Butylbenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
4-Isopropyltoluene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
n-Butylbenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,3,5-Trimethylbenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
tert-Butylbenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
1,2,4-Trimethylbenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM
n-Propylbenzene	**ND**	14		µg/Kg-dry	1	4/27/2019 1:45:00 AM

Adirondack Environmental Services, Inc

Date: *29-Apr-19*

CLIENT:	AECOM Environment	**Client Sample ID:**	SPRU-TS-FANE 02
Work Order:	**190426040**	**Collection Date:**	4/26/2019
Reference:	SPRU Site / KAPL	**Lab Sample ID:**	190426040-002
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 4/26/2019)						
Surr: 1,2-Dichloroethane-d4	**106**	64.8-130		%REC	1	4/27/2019 1:45:00 AM
Surr: 4-Bromofluorobenzene	**112**	76.8-122		%REC	1	4/27/2019 1:45:00 AM
Surr: Toluene-d8	**96.3**	78.5-120		%REC	1	4/27/2019 1:45:00 AM
CYANIDE, TOTAL - SW 9012B						Analyst: **KB**
(Prep: 9010C - 4/26/2019)						
Cyanide	**ND**	0.67		µg/g-dry	1	4/29/2019 3:45:21 PM
HEXAVALENT CHROMIUM - SW 7196A (3060A)						Analyst: **DAA**
(Prep: SW3060A - 4/29/2019)						
Chromium, Hexavalent	**ND**	1.3	N	µg/g-dry	1	4/29/2019 12:20:00 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **TSZ**
Percent Moisture	**25.3**	0.1	Z	wt%	1	4/29/2019