


Kim Duffek, Environmental Consultant
Florida Department of Health
Division of Disease Control and Health Protection
Bureau of Environmental Health-Onsite Sewage Programs
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Course Objective



To gain a basic understanding of the requirements of the onsite sewage treatment and disposal system application/permitting process including the application, site plans and design for new residential systems.

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[illegible]

[illegible]

Building Area
do not confuse with
"living area" or
"heated/cooled area"

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Applicant/authorized agent

Completed and signed by/

- **Applicant/owner**
- **Authorized agent**
(owner's authorized representative if not a contractor licensed under sec. 489, FS – a signed statement is required)
- **Contractor licensed under Chap. 489, FS**

64E-6.004(2), FAC

AGENT AUTHORIZATION

DATE: _____

TO: _____
Sumitomo County Health Department
400 W Airport Blvd
Sault Ste. H, 12775

SUBJECT: Agent Authorization _____

I, _____, hereby authorize as my Agent, _____, to act and sign for me any permissions to make any necessary decisions on my behalf concerning the onsite sewage treatment and disposal system located on my property located at: _____

Applicant's Signature

Date

Above is a sample form

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**Date Lot Platted / Subdivided
(lot recorded or created)**

To determine whether current or pre-1972 lot size provisions will apply.

- **Surface water setbacks**
lots platted or recorded prior to 1972 have a minimum 50 ft. setback to surface water bodies. Current setback is 75 feet.
s. 381.0065(4)(g)2., F.S.


Legal Descriptions

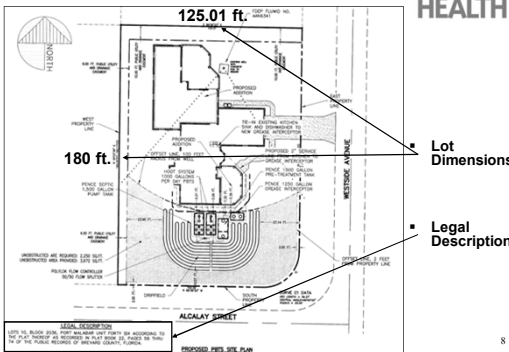
- All information that is necessary to determine the total sewage flow and proper setbacks on the site ownership shall be submitted with the application. The applicant lot shall be clearly identified. A copy of the legal description or survey must accompany the application for confirmation of property dimensions only. 64E-6.004(3)(a)5.



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Legal Descriptions

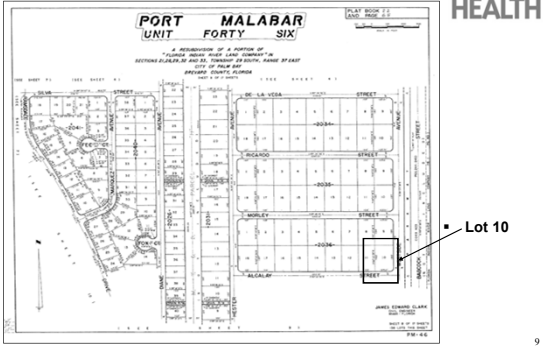




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Legal Descriptions





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Property Size

Current Lot Size Requirements:

(Lots platted/subdivided after 1/1/1972)

- Lots using private potable or 64E-8 well – **.50 acre (21,780 sq. ft.)**
(and either a minimum dimension of 100 feet or a mean of at least 100 feet of the side bordering the street and the distance formed by a line parallel to the side bordering the street drawn between the two most distant points of the remainder of the lot)
- Lots using a DEP regulated public water system, **no more than 4 lots per acre**

See Memo 06-005 for further information on application of the 4 Lots Per Acre

No more than 4 lots per acre – How to Determine


- Sum the cumulative area of 4 adjacent lots
- Add pro-rata portion of adjacent right of way and subtract surface water, prepared road beds etc.
- If cumulative area is less than a whole acre, the provision is violated
- Individual lots, not associated with a subdivision can not be assessed
- See section 381.0065(4)(b), FS and Memo 06-005 for further details

Property Size

Pre 1972 Lot Size Requirements:

- lots platted or recorded prior to 1972 **have no minimum lot size requirements**
- provided daily sewage flow does not exceed allowances.


s. 381.0065(4)(g)2., FS



Maximum Daily Sewage Flow Allowance


- Public drinking water system
(regulated by DEP)
2500 gallons/acre/day
- Private potable wells,
64E-8 Ltd use PWS (regulated by DOH)
1500 gallons/acre/day

64E-6.005(7)(c), 64E-6.001(44)(a)-(c)



Setback to Surface Water

- Lots platted or recorded prior to January 1, 1972 have a minimum 50 feet setback to surface waters
- Current setback is 75 feet




Private Potable Well Setback

75 feet setback to private wells regardless of the date of platting

Sizing Criteria

- 64E-6.008, Table I Estimated Sewage Flows for Residential System Design
- When estimated sewage flows are less than 200 gallons per day, system size shall be based on a minimum of 200 gallons per day.
64E-6.008(5), FAC



Sizing Criteria

- Number of bedrooms and building area** (Table 1 for Residences is used to estimate sewage flow). Examples are SFR.
- example: 2 bedrooms with 1000 sq.ft., requires **200 gpd.**
- example: 3 bedrooms with 3000 sq.ft., requires **400 gpd.**




TABLE I
For System Design
ESTIMATED SEWAGE FLOWS

RESIDENTIAL:	GPD
Residences	
(a) Single or multiple family per dwelling Unit	
1 Bedroom with 750 sq. ft. or less of building area	100
2 Bedrooms with 751-1200 sq. ft. of building area	200
3 Bedrooms with 1201-2250 sq. ft. of building area	300
4 Bedrooms with 2251-3300 sq. ft. of building area	400
For each additional bedroom or each additional 750 square feet of building area or fraction thereof in a dwelling unit, system sizing shall be increased by 60 gallons per dwelling unit.	
(b) Other per occupant	50

Sizing Criteria

What is the estimated sewage flow for a 5 bedroom SFR with 6672 sq. ft., of bldg. area?

- Use this section, since 4 bedrooms or a max of 3300 SF is exceeded

- At least 4 bedrooms with 3300 SF of building area **400 GPD**
- 6672 SF - 3300 SF = 3372 SF / 750 SF = 4.49, (5 x 60 gal. = 300 gal.) **300 GPD**
- 400 + 300 = 700 GPD**

The estimated sewage flow is **700 GPD**

Note: in the former rule the est. sewage flow would be 900 gpd.




TABLE I
For System Design
ESTIMATED SEWAGE FLOWS

RESIDENTIAL:	GPD
Residences	
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1 Bedroom with 750 sq. ft. or less of building area	100
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For each additional bedroom or each additional 750 square feet of building area or fraction thereof in a dwelling unit, system sizing shall be increased by 60 gallons per dwelling unit.	
(b) Other per occupant	50

Site Plan

- Drawn to scale, boundaries with dimensions
- Structures, swimming pools, recorded easements
- OSTDS location & configuration, slope of property
- Wells, potable and non-potable water lines
- Drainage features, filled areas
- Excavated areas for onsite sewage systems

64E-6.004, FAC

Site Plan

- Obstructed areas, surface water bodies
- Benchmark/reference point, soil profile locations (documented in drainfield area)
- Offsite features within 75 feet of lot (dimensions)
- Legal description or survey to confirm property dimensions
- Applicant/agent signature and date
- Department approval (name of CHD, date, signature)

Site Plan

DH Form
4015 pg. 2

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITEPLAN

Scale: Each block represents 10 feet and 1 inch = 40 feet.

Notes: _____

Site Plan submitted by: _____

Plan Approved: _____ Not Approved: _____ Date: _____


By: _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 08-09 (Changes previous editions which may not be used, incorporated 04-0-01), FAC

Form Number: 17-00000-0000


Page 2 of 4



Setbacks

- Private potable wells (**75 ft.**), non potable (**50 ft.**)
- Other public drinking water wells (**100 – 200 ft.**)
- Storm sewer pipe (**max possible or not <5 ft.**)
- Dry - ponds/drainage features, retention areas (**15 ft.**)
- Building foundations, pilings, mobile home walls, swimming pool walls, property lines (**5 ft.**)
- Drainfields shall not be installed below, sidewalks, decks and patios. Mound drainfield, (**4 ft.**) from these features (the shoulder shall not be covered).


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Setbacks

- Potable water lines (**10 ft.**) or not less than (**2 ft.**) if double sleeved or consist of schedule 40 PVC or stronger.
- Non-potable water lines (**2 ft.**) and (**<2 ft.**) if backflow devices.
- Groundwater interceptor drains (**15 ft.**)
- Effluent transmission lines (schedule 40 PVC) – to private potable wells, irrigation wells and surface water bodies not less than (**25 ft.**)
- Effluent transmission lines (schedule 40 PVC) – to property lines and building foundations not less than (**2 ft.**)
- Effluent transmission lines (schedule 40 PVC or double sleeved) – potable water lines and storm sewer lines not less than (**5 ft.**)

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Setbacks – Surface Water Bodies

- Surface water bodies (**75 ft.**) if platted/ subdivided prior to 1972 (**50 ft.**)
 - Tidal – the surface water boundary (mean high water line, MHWL) must be determined by a licensed professional surveyor and mapper. *the MHWL must be located on the site plan or additional survey by the surveyor including the elevation*
 - Non-Tidal - the surface water boundary (mean annual flood line, MAFL) may be determined by certified department personnel or a licensed professional surveyor and mapper. *the (MAFL) must be located on the site plan or additional survey by the surveyor. Must include documentation of the MAFL indicator*

see Section 381.0065,FS, Memo 11-006 and more details covered day 2 in Soils Course

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Site Evaluation
Form DH 4015
pg. 3 of 4

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
SITE EVALUATION AND SYSTEM SPECIFICATIONS

PERMIT # 10-1000-M
DATE PAID: 7/23/2010
FEE PAID: \$1000.00
RECEIPT #:

APPLICANT: Jim Smith
AGENT: Sunshine Sewer Company
ADDRESS: 111 Sunshine Place, Orlando, FL 32765
PHONE: 407-111-1111

LOT: 5 BLOCK: 10 SUBDIVISION: Orlando Oaks
PROPERTY ID #: 0351100782 BORING: 1/1" OR EQUIVALENT: (Y / N)
PROPERTY SIZE: 15,000 sq. ft. WATER SUPPLY: (M) PRIVATE PUBLIC: () CDDDDDD () DDDDDDD
PROPERTY ADDRESS: 111 Sunshine Place, Orlando, FL 32765 DISTANCE TO BORE: 100 ft
BORING TO PROPERTY: see attached map

NET USABLE AREA AVAILABLE: 15,000 sq. ft.
ESTIMATED SEWAGE FLOW: 1500 gpd
AUTHORIZED SEWAGE FLOW: 1500 gpd
UNOBSTRUCTED AREA AVAILABLE: 15,000 sq. ft.

Note: The remainder of the site evaluation is covered in ACT days 2 and 3 – Soils Course

Application/Permitting Process
Documents/Forms Required

Day 1
MC Part I – Onsite Wastewater Concepts Regulations and the Application Process

Day 2 – 3
MC Part II – Introduction to Florida Soils and the Site Evaluation Process

Day 4 – 5
MC Part III – Onsite System Construction Permits and Inspections

Application Form (DH 4015, pg. 1 of 4)
Site Plan (DH 4015, pg. 2 of 4)
Floor Plan
Site Evaluation (DH 4015, pg. 3 of 4)
Site Evaluation (DH 4015, pg. 3 of 4)
Construction Permit (DH 4016, pg. 1 of 3)
Final Inspection and Approval (DH 4016, pg. 2 of 3)

Application
Form DH 4015 pg. 1 of 1

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 10-1000-M
DATE PAID: 7/23/2010
FEE PAID: \$1000.00
RECEIPT #:

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ADDRESS: 111 Sunshine Place, Orlando, FL 32765
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PROPERTY ID #: 0351100782 BORING: 1/1" OR EQUIVALENT: (Y / N)
PROPERTY SIZE: 15,000 sq. ft. WATER SUPPLY: (M) PRIVATE PUBLIC: () CDDDDDD () DDDDDDD
PROPERTY ADDRESS: 111 Sunshine Place, Orlando, FL 32765 DISTANCE TO BORE: 100 ft
BORING TO PROPERTY: see attached map

NET USABLE AREA AVAILABLE: 15,000 sq. ft.
ESTIMATED SEWAGE FLOW: 1500 gpd
AUTHORIZED SEWAGE FLOW: 1500 gpd
UNOBSTRUCTED AREA AVAILABLE: 15,000 sq. ft.

Note: The remainder of the site evaluation is covered in ACT days 2 and 3 – Soils Course

Onsite Wastewater Concepts - Part D, New Permit Applications and Site Plans, 2013



Yes. It was platted prior to 1972, and there are no minimum lot size requirements; however, it must not exceed authorized sewage flow allowances.

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Lot size and Determination of Net Usable Area:



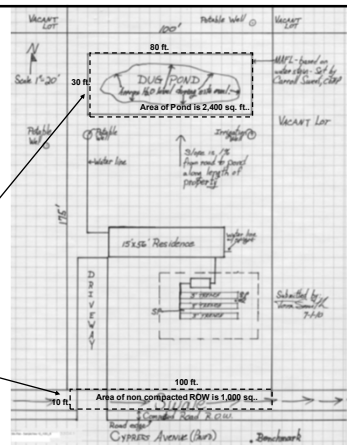
- Calculate Property Dimensions (Lot Size)
100 ft. x 175 ft. = 17,500 sq. ft.
- Add permissible public rights-of-way and easements
10 ft. x 100 ft. = 1000 sq. ft.
- Exclude paved and compacted road beds in rights-of-way
- Exclude surface water bodies
30 ft. x 80 ft. = 2,400 sq. ft.
- Calculate in Acreage – **Net Usable Area of Lot**
17,500 sq. ft. + 1,000 sq. ft. – 2,400 sq. ft. = 16,100 sq. ft.
(16,100 sq. ft. / 43,560 sq. ft. per acre) = .37 acres

Net usable area of property in acres exclusive of all paved areas and prepared road beds within public rights-of-way or easements and exclusive of streams, lakes, normally wet drainage ditches, marshes, or other such bodies of water. Contiguous unpaved non-compacted road rights-of-way and easements with no subsurface obstructions may be included in calculating lot area. 646E-6.005(7)(c)

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Site Plan

- Net Usable Area Available is 16,100 sq. ft. or .37 acres
- Excludes Surface Water Body (pond)
- Add non-compacted ROW



Site Evaluation Form DH 4015 pg. 3 of 4



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE WASTEWATER TREATMENT AND DISPOSAL SYSTEM
SITE EVALUATION AND SYSTEM SPECIFICATIONS

PERMIT # 10-1000-M

APPLICANT: THE BULLY ADDRESS: Washburne English Company
LOT: 3 BLOCK: 3A SUBDIVISION: Circle 3000

PROPERTY ID # [Section/Township/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER. ENGINEER RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: VERIFY THE INFORMATION PROVIDED BY THE APPLICANT AND THE INFORMATION PROVIDED BY THE LOCAL GOVERNMENT. VERIFY THE INFORMATION PROVIDED BY THE APPLICANT AND THE INFORMATION PROVIDED BY THE LOCAL GOVERNMENT.

PROPERTY SIZE CONFORMS TO SITE PLAN: (X) YES () NO. NET USABLE AREA AVAILABLE: 16,100 SQ. FT.

TOTAL ESTIMATED WASTEWATER FLOW: 1,000 GPD. ESTIMATED WASTEWATER FLOW: 1,000 GPD.

UNDESIGNED AREA AVAILABLE: 1,000 SQ. FT. UNDESIGNED AREA AVAILABLE: 1,000 SQ. FT.

REMARKS/REFERENCE POINT LOCATION: SEE ON CL. OF NO. 3000 BE CORNER OF PROPERTY

ELEVATION OF PROPOSED SYSTEM: SITE 1 (INCHES/FT) (ABOVE/BELOW) BENCHMARK/REFERENCE POINT

THE SYSTEMS DESIGNER MUST OBTAIN THE FOLLOWING INFORMATION FROM THE FOLLOWING SOURCES:

SURFACE WATER: 10 FT. DITCHES/DRAINS: 10 FT. NORMALLY WET: () YES (X) NO

WELLS: 10 FT. LIMITED USE: 10 FT. POTABLE WATER LINES: 10 FT.

BUILDING FOUNDATIONS: 10 FT. PROPERTY LINES: 10 FT. POTABLE WATER LINES: 10 FT.

SITE SURVEY TO PREPARE PLANNING: () YES (X) NO 10 YEAR FLOODING: () YES (X) NO

10 YEAR FLOOD ELEVATION FOR SITE: 10 FT. 10 YEAR FLOOD ELEVATION: 10 FT.

SOIL PROFILE INFORMATION SITE 1

SOIL PROFILE INFORMATION SITE 2

USDA SOIL SERIES: Similar to Muckalee

USDA SOIL SERIES: Similar to Muckalee

EXISTING GRADE: TYPE: (DESIGNED / APPROPRIATE)

EXISTING GRADE: TYPE: (DESIGNED / APPROPRIATE)

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EXISTING GRADE: TYPE: (DESIGNED / APPROPRIATE)

Note: The remainder of the site evaluation is covered in ACT days 2 and 3 – Soils Course

SITE EVALUATED BY: David Smith, REE DATE: 7/2/2010

OR 6415, 6419 Obsolete provisions additions which may not be used. (Proposed SAE-0.01) FAC

Page 3 of 4



Estimated Sewage Flow

64E-6.008, Table I

**2 bedroom single family residence with
840 sq. ft. bldg. area requires
200 gallons per day**

*(must be consistent with the application sizing criteria and
floor plan)*

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TABLE I For System Design ESTIMATED SEWAGE FLOWS

RESIDENTIAL:	GPD
Residences	
(a) Single or multiple family per dwelling Unit	
1 Bedroom with 750 sq. ft. or less of building area	100
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3 Bedrooms with 1201-2250 sq. ft. of building area	300
4 Bedrooms with 2251-3300 sq. ft. of building area	400
For each additional bedroom or each additional 750 square feet of building area or fraction thereof in a dwelling unit, system sizing shall be increased by 60 gallons per dwelling unit.	
(b) Other per occupant	50

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Site Evaluation Form DH 4015 pg. 3 of 4



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE WASTEWATER TREATMENT AND DISPOSAL SYSTEM
SITE EVALUATION AND SYSTEM SPECIFICATIONS

APPLICANT: THE BULLY AGENCY: Publicis Engle Company

LOT: 3 BLOCK: 38 SUBDIVISION: Circle Oaks

PROPERTY ID #: [Section/Township/Parcel No. or Tax ID Number]

TO BE COMPLETED BY ENGINEER, HEALTH DEPARTMENT EMPLOYEE OR OTHER QUALIFIED PERSON. REQUIREMENTS:
MUST PROVIDE REGISTRATION NUMBER AND EXPIR. AND SEAL BACK PAGE OF CERTIFICATE. COMPLETE ALL ITEMS.

PROPOSED AREA: 0.37 ACRES YES () NO (x) NET USABLE AREA AVAILABLE: 0.37 ACRES

EXIST. ESTIMATED SEWAGE FLOW: 200 GPD CALLONS PER DAY (BASED ON AREA 1/1000000) (SEE TABLE)

ANTICIPATED SEWAGE FLOW: 200 GPD CALLONS PER DAY (1500 GPD/ACRE OR 2500 GPD/ACRE)

UNDESIGNATED AREA AVAILABLE: 0.00 ACRES UNDESIGNATED AREA REQUIRED: 0.00 ACRES

REMARKS/REFERENCE POINT LOCATION: SEE ON CL. OF NO. 3845 BE CORNER OF PROPERTY

ELEVATION OF PROPOSED SYSTEM SITE: 12 (INCHES/FT) (ABOVE/BELOW) REMARKS/REFERENCE POINT

THE SYSTEM SERVICE WHICH CAN BE DERIVED FROM THE PROPOSED SYSTEM TO THE FOLLOWING FEATURES:

SURFACE WATER: 05 FT DITCHES/DRAINS: 35 FT NORMALLY WET () YES (x) NO

WELLS: 00 FT LIMITED USE: 00 FT POTABLE: 00 FT NON-POTABLE: 00 FT

BUILDING FOUNDATIONS: 10 FT PROPERTY LINES: 10 FT POTABLE WATER LINES: 10 FT

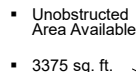
SITE SUBJECT TO FREQUENT FLOODING: () YES (x) NO 10 YEAR FLOODING: () YES (x) NO


10 YEAR FLOOD ELEVATION FOR SITE: 00 FT MSL/NOOD SITE ELEVATION: 00 FT MSL/NOOD

SOIL PROFILE INFORMATION SITE 1				SOIL PROFILE INFORMATION SITE 2			
DEPTH	TEXTURE	PERCENT	DEPTH	TEXTURE	PERCENT	DEPTH	TEXTURE
100% 1/2" - 1/4"	PS	100%	100% 1/2" - 1/4"	PS	100%	100% 1/2" - 1/4"	PS
100% 1/4" - 1/8"	PS	100%	100% 1/4" - 1/8"	PS	100%	100% 1/4" - 1/8"	PS
100% 1/8" - 1/16"	PS	100%	100% 1/8" - 1/16"	PS	100%	100% 1/8" - 1/16"	PS
100% 1/16" - 1/32"	PS	100%	100% 1/16" - 1/32"	PS	100%	100% 1/16" - 1/32"	PS
100% 1/32" - 1/64"	PS	100%	100% 1/32" - 1/64"	PS	100%	100% 1/32" - 1/64"	PS
100% 1/64" - 1/128"	PS	100%	100% 1/64" - 1/128"	PS	100%	100% 1/64" - 1/128"	PS
100% 1/128" - 1/256"	PS	100%	100% 1/128" - 1/256"	PS	100%	100% 1/128" - 1/256"	PS
100% 1/256" - 1/512"	PS	100%	100% 1/256" - 1/512"	PS	100%	100% 1/256" - 1/512"	PS
100% 1/512" - 1/1024"	PS	100%	100% 1/512" - 1/1024"	PS	100%	100% 1/512" - 1/1024"	PS
100% 1/1024" - 1/2048"	PS	100%	100% 1/1024" - 1/2048"	PS	100%	100% 1/1024" - 1/2048"	PS
100% 1/2048" - 1/4096"	PS	100%	100% 1/2048" - 1/4096"	PS	100%	100% 1/2048" - 1/4096"	PS
100% 1/4096" - 1/8192"	PS	100%	100% 1/4096" - 1/8192"	PS	100%	100% 1/4096" - 1/8192"	PS
100% 1/8192" - 1/16384"	PS	100%	100% 1/8192" - 1/16384"	PS	100%	100% 1/8192" - 1/16384"	PS
100% 1/16384" - 1/32768"	PS	100%	100% 1/16384" - 1/32768"	PS	100%	100% 1/16384" - 1/32768"	PS
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100% 1/262144" - 1/524288"	PS	100%	100% 1/262144" - 1/524288"	PS	100%	100% 1/262144" - 1/524288"	PS
100% 1/524288" - 1/1048576"	PS	100%	100% 1/524288" - 1/1048576"	PS	100%	100% 1/524288" - 1/1048576"	PS
100% 1/1048576" - 1/2097152"	PS	100%	100% 1/1048576" - 1/2097152"	PS	100%	100% 1/1048576" - 1/2097152"	PS
100% 1/2097152" - 1/4194304"	PS	100%	100% 1/2097152" - 1/4194304"	PS	100%	100% 1/2097152" - 1/4194304"	PS
100% 1/4194304" - 1/8388608"	PS	100%	100% 1/4194304" - 1/8388608"	PS	100%	100% 1/4194304" - 1/8388608"	PS
100% 1/8388608" - 1/16777216"	PS	100%	100% 1/8388608" - 1/16777216"	PS	100%	100% 1/8388608" - 1/16777216"	PS
100% 1/16777216" - 1/33554432"	PS	100%	100% 1/16777216" - 1/33554432"	PS	100%	100% 1/16777216" - 1/33554432"	PS
100% 1/33554432" - 1/67108864"	PS	100%	100% 1/33554432" - 1/67108864"	PS	100%	100% 1/33554432" - 1/67108864"	PS
100% 1/67108864" - 1/134217728"	PS	100%	100% 1/67108864" - 1/134217728"	PS	100%	100% 1/67108864" - 1/134217728"	PS
100% 1/134217728" - 1/268435456"	PS	100%	100% 1/134217728" - 1/268435456"	PS	100%	100% 1/134217728" - 1/268435456"	PS
100% 1/268435456" - 1/536870912"	PS	100%	100% 1/268435456" - 1/536870912"	PS	100%	100% 1/268435456" - 1/536870912"	PS
100% 1/536870912" - 1/1073741824"	PS	100%	100% 1/536870912" - 1/1073741824"	PS	100%	100% 1/536870912" - 1/1073741824"	PS
100% 1/1073741824" - 1/2147483648"	PS	100%	100% 1/1073741824" - 1/2147483648"	PS	100%	100% 1/1073741824" - 1/2147483648"	PS
100% 1/2147483648" - 1/4294967296"	PS	100%	100% 1/2147483648" - 1/4294967296"	PS	100%	100% 1/2147483648" - 1/4294967296"	PS
100% 1/4294967296" - 1/8589934592"	PS	100%	100% 1/4294967296" - 1/8589934592"	PS	100%	100% 1/4294967296" - 1/8589934592"	PS
100% 1/8589934592" - 1/17179869184"	PS	100%	100% 1/8589934592" - 1/17179869184"	PS	100%	100% 1/8589934592" - 1/17179869184"	PS
100% 1/17179869184" - 1/34359738368"	PS	100%	100% 1/17179869184" - 1/34359738368"	PS	100%	100% 1/17179869184" - 1/34359738368"	PS
100% 1/34359738368" - 1/68719476736"	PS	100%	100% 1/34359738368" - 1/68719476736"	PS	100%	100% 1/34359738368" - 1/68719476736"	PS
100% 1/68719476736" - 1/137438953472"	PS	100%	100% 1/68719476736" - 1/137438953472"	PS	100%	100% 1/68719476736" - 1/137438953472"	PS
100% 1/137438953472" - 1/274877906944"	PS	100%	100% 1/137438953472" - 1/274877906944"	PS	100%	100% 1/137438953472" - 1/274877906944"	PS
100% 1/274877906944" - 1/549755813888"	PS	100%	100% 1/274877906944" - 1/549755813888"	PS	100%	100% 1/274877906944" - 1/549755813888"	PS
100% 1/549755813888" - 1/1099511627776"	PS	100%	100% 1/549755813888" - 1/1099511627776"	PS	100%	100% 1/549755813888" - 1/1099511627776"	PS
100% 1/1099511627776" - 1/2199023255552"	PS	100%	100% 1/1099511627776" - 1/2199023255552"	PS	100%	100% 1/1099511627776" - 1/2199023255552"	PS
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100% 1/4398046511104" - 1/8796093022208"	PS	100%	100% 1/4398046511104" - 1/8796093022208"	PS	100%	100% 1/4398046511104" - 1/8796093022208"	PS
100% 1/8796093022208" - 1/17592186044416"	PS	100%	100% 1/8796093022208" - 1/17592186044416"	PS	100%	100% 1/8796093022208" - 1/17592186044416"	PS
100% 1/17592186044416" - 1/35184372088832"	PS	100%	100% 1/17592186044416" - 1/35184372088832"	PS	100%	100% 1/17592186044416" - 1/35184372088832"	PS
100% 1/35184372088832" - 1/70368744177664"	PS	100%	100% 1/35184372088832" - 1/70368744177664"	PS	100%	100% 1/35184372088832" - 1/70368744177664"	PS
100% 1/70368744177664" - 1/140737488355328"	PS	100%	100% 1/70368744177664" - 1/140737488355328"	PS	100%	100% 1/70368744177664" - 1/140737488355328"	PS
100% 1/140737488355328" - 1/281474976710656"	PS	100%	100% 1/140737488355328" - 1/281474976710656"	PS	100%	100% 1/140737488355328" - 1/281474976710656"	PS
100% 1/281474976710656" - 1/562949953421312"	PS	100%	100% 1/281474976710656" - 1/562949953421312"	PS	100%	100% 1/281474976710656" - 1/562949953421312"	PS
100% 1/562949953421312" - 1/1125899906842624"	PS	100%	100% 1/562949953421312" - 1/1125899906842624"	PS	100%	100% 1/562949953421312" - 1/1125899906842624"	PS
100% 1/1125899906842624" - 1/2251799813685248"	PS	100%	100% 1/1125899906842624" - 1/2251799813685248"	PS	100%	100% 1/1125899906842624" - 1/2251799813685248"	PS
100% 1/2251799813685248" - 1/4503599627370496"	PS	100%	100% 1/2251799813685248" - 1/4503599627370496"	PS	100%	100% 1/2251799813685248" - 1/4503599627370496"	PS
100% 1/4503599627370496" - 1/9007199254740992"	PS	100%	100% 1/4503599627370496" - 1/9007199254740992"	PS	100%	100% 1/4503599627370496" - 1/9007199254740992"	PS
100% 1/9007199254740992" - 1/18014398509481984"	PS	100%	100% 1/9007199254740992" - 1/18014398509481984"	PS	100%	100% 1/9007199254740992" - 1/18014398509481984"	PS
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100% 1/36028797018963968" - 1/72057594037927936"	PS	100%	100% 1/36028797018963968" - 1/72057594037927936"	PS	100%	100% 1/36028797018963968" - 1/72057594037927936"	PS
100% 1/72057594037927936" - 1/144115188075855872"	PS	100%	100% 1/72057594037927936" - 1/144115188075855872"	PS	100%	100% 1/72057594037927936" - 1/144115188075855872"	PS
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100% 1/576460752303423488" - 1/1152921504606846976"	PS	100%	100% 1/576460752303423488" - 1/1152921504606846976"	PS	100%	100% 1/576460752303423488" - 1/1152921504606846976"	PS
100% 1/1152921504606846976" - 1/2305843009213693952"	PS	100%	100% 1/1152921504606846976" - 1/2305843009213693952"	PS	100%	100% 1/1152921504606846976" - 1/2305843009213693952"	PS
100% 1/2305843009213693952" - 1/4611686018427387904"	PS	100%	100% 1/2305843009213693952" - 1/4611686018427387904"	PS	100%	100% 1/2305843009213693952" - 1/4611686018427387904"	PS
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100% 1/9223372036854775808" - 1/18446744073709551616"	PS	100%	100% 1/9223372036854775808" - 1/18446744073709551616"	PS	100%	100% 1/9223372036854775808" - 1/18446744073709551616"	PS
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100% 1/36893488147419103232" - 1/73786976294838206464"	PS	100%	100% 1/36893488147419103232" - 1/73786976294838206464"	PS	100%	100% 1	



Note: The remainder of the site evaluation is covered in ACT days 2 and 3 – Soils Course





Questions?

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