



Executive Director - Lloyd C. Berentzen, M.B.A.
Deputy Director - Todd Barson

Environmental Health Division
Division Director ~ Grant Koford, M.S., L.E.H.S.
www.brhd.org

Septic System Permit Application Instructions

Where sewer is not available or practical, the drainage system of each dwelling, building, or premise, shall receive all wastewater, including bathroom, kitchen, and laundry wastes, and shall have a connection to a septic system. Septic systems are permitted by the Bear River Health Department. If the wastewater flow is proposed to exceed 5000 gallons per day for a septic system, the Utah Department of Environmental Quality is responsible for permitting.

The septic system permit application is for obtaining a permit to construct, alter, or repair a septic system or to upgrade a system that was installed prior to health department regulations. A septic permit is issued for a legal parcel (lot) of record or, is issued for a proposed land parcel split lot when the remainder parcel is not being proposed for development. If you are subdividing to create **more than one new building lot**, you need to complete the subdivision septic system feasibility application instead of a septic system permit application. After your subdivision has been approved by your planning and zoning agency, a septic permit can be applied for by completing the septic system permit application. The completed application and fees should be mailed or returned to one of the following offices according to which area your property is located:

Cache or Rich County

BRHD Logan office
85 E 1800 N
North Logan, UT 84341
Phone: 435-792-6570

Box Elder County South

BRHD Brigham City office
992 S 800 W
Brigham City, UT 84302
Phone: 435-695-2065

Box Elder County North

BRHD Tremonton office
440 W 600 N
Tremonton, UT 84337
Phone: 435-792-6500 ext. 4138

The following steps will help assist you in completing the septic system permitting process:

- 1- Fill out the Septic System Permit Application (pages 3 and 4).
- 2- If it is determined by this office that site feasibility or additional site visit work is **not needed**, skip steps 3 through 7 and complete step number 8
- 3- Submit with the application, a copy of the county assessor's parcel map with your parcel(s) highlighted **or** a preliminary plat map. If a survey is required by planning and zoning, a copy of the completed survey will need to be submitted to this office.



- 4- Consult with a health inspector to determine placement and number of soil exploration pits. You will be responsible for hiring a backhoe operator to dig the soil exploration pit(s). Septic system contractors are good place to find a backhoe operator. A list of septic system contractors that have had some septic system training by this office can be downloaded at www.brhd.org. Navigate to the Documents menu and search for "Local Septic System Contractors." The soil pit is to be dug to a depth of at least 12 feet or until the water table, whichever comes first. The soil pit is to be dug at least 4 feet below the bottom of the proposed absorption system. For deep basement proposed homes, soil pits may need to be dug to 16 feet. One end of each soil pit needs to be gently sloped for partial entry access of the health inspector.
- 5- Coordinate (**one week notice**) with your assigned health inspector on soil exploration pit digging arrangements so that the inspector can be onsite at the same time the pit(s) will be dug. The soil pit(s) should be immediately backfilled after they have been evaluated by the health inspector for safety reasons.
- 6- The inspector will evaluate the soil/site conditions and then inform you, if applicable, on the number of percolation tests to be completed and appropriate test depths. Percolation tests are conducted at your expense by a state certified person. A list of certified percolation testers can be downloaded at www.brhd.org by navigating to the Documents menu and searching for "List of Local Septic Perc Testers."
- 7- If applicable, the maximum ground water table will need to be determined by regular monitoring of the water table in an observation well during the peak season of ground water flow. The peak season for high groundwater is generally from April through May and sometimes can be during the summer irrigation season. A water table monitoring fee is required.

When steps 3 through 7 have been completed, a review of all information, plans, and proposals, and site work will be completed by the inspector. In some cases, additional information such as engineering reports may be needed to complete the review. If applicable, a feasibility letter will be sent to your planning/zoning agency stating the results of the review. When feasibility or additional site visit work is completed, you are now ready to be issued a permit by completing step 8.

- 8- Complete a site plan and attach to the application (see example and instructions on second page of application) by consulting with a health inspector about septic system placement and options; OR, Submit a septic system design by a certified onsite system professional. **If your lot requires a complex alternative system, you will need to submit a septic system design by a Utah certified onsite system level 3 professional and a Recorded Deed Septic Requirement Form.**

The health inspector will review the septic design to issue a permit or use the information from your site plan to issue a permit that includes a basic septic design and construction criteria. Please allow one week for the permit to be completed and issued.

Once a permit is issued the septic system can be installed when site conditions are favorable. Final onsite inspection(s) will need to be completed by this office prior to backfilling of the installed septic system before approval can be granted

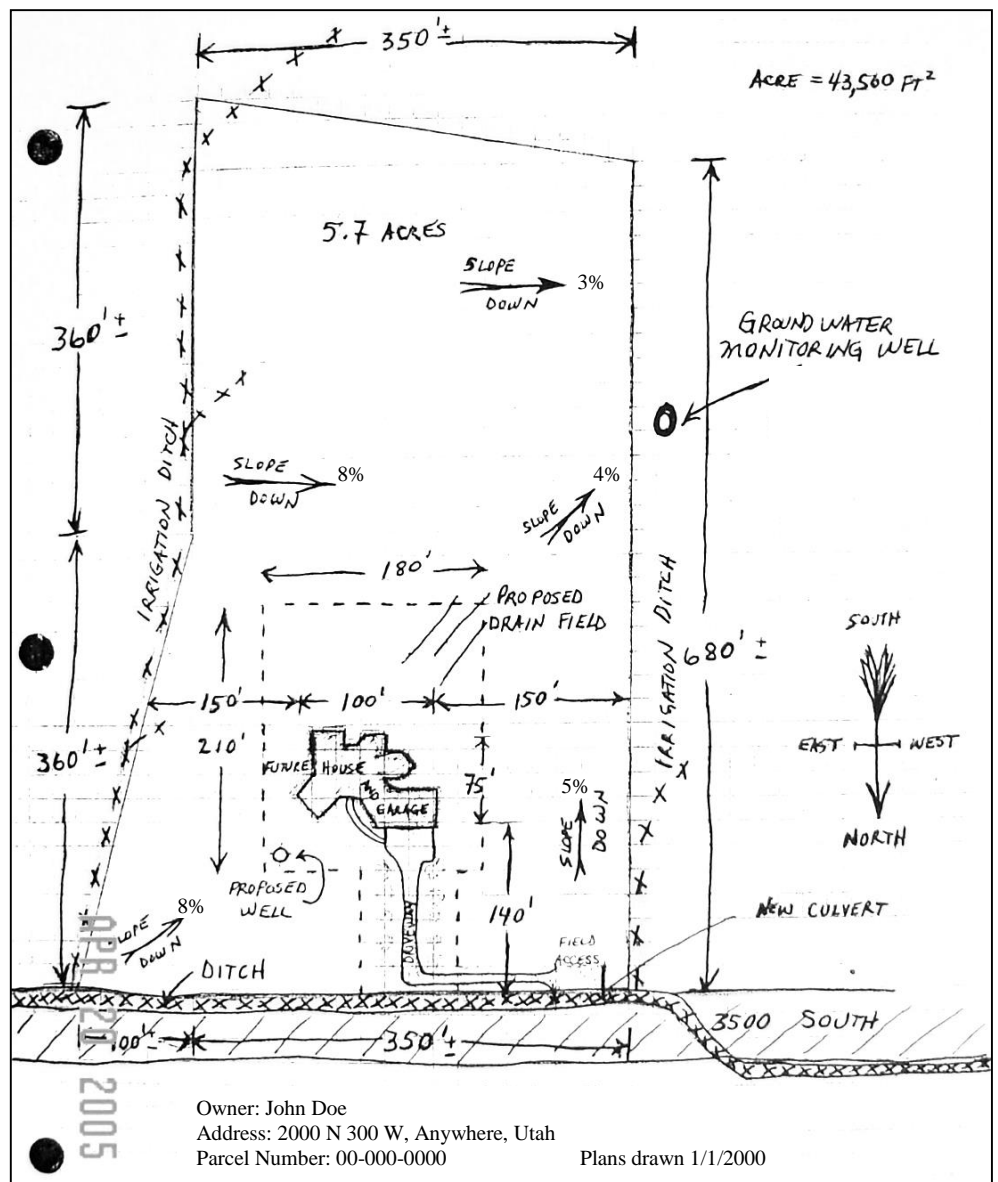
Septic System Site Plan Instructions

The purpose of a site plan is to show the size, shape, and special features of your property and the size and location of proposed building(s). The site plan will be used by the health inspector to design an area for your septic system. If a survey is available, sometimes it works well to sketch your proposal directly on a copy of the survey. A copy of the site plan from your set of building plans will also work. The site plan needs to be drawn to scale and a minimum of 11" x 17".

Required information:

- Property lines and proposed structures on the property
- Location of all water courses and drainage ways (intermittent streams, creeks, irrigation canals, etc.)
- Location of water well and water lines
- Accurate distances from the proposed structures and land features to property lines
- Arrows showing direction of slope or ground surface contours
- Proposed/preferable area for the Septic system and 100% replacement area
- Location of existing water supply sources on adjacent properties within 200 feet of the proposed septic system
- North arrow
- Existing easements
- Public drinking water zone two area(s)
- Access to property from public road(s)
- Utility lines (water, gas, electrical, propane tanks)
- Complete address, parcel number, owner, and date plans were drawn

Sample site plan





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Septic Fees

- Site feasibility.....\$100
 - Residential septic permit.....\$150
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- Permit fee total.....\$250

The permit fee total does not include fees for alternative technology septic permits and/or non-residential uses.



Website: www.brhd.org

List of Perc Testers

Updated Oct-2017

Name	County	Phone #	Expiration Date
Brandon Bailey	Box Elder	(801) 643-5420	12/31/19
Stanley Clark	Box Elder	(435) 757-3037	12/31/18
Clayton Grover	Box Elder	(435) 230-0085	12/31/19
Jason Grover	Box Elder	(435) 230-0087	12/31/19
Larry Hess	Box Elder	(435) 230-0277	12/31/20
Lawrence Padlo	Box Elder	(435) 863-4684	12/31/18
Lee Larson	Box Elder	(208) 201-1090	12/31/19
Steve Huggins	Box Elder	(435) 452-1711	05/31/21
Ben Andersen	Cache	(435) 554-0520	12/31/17
Jay Apedaile	Cache	(435) 760-3103	12/31/18
Lee Camp	Cache	(435) 563-6406	12/31/19
Richard Jex	Cache	(435) 753-2051	12/31/17
Scott Morrill	Cache	(435) 713-0100	12/31/19
Matthew Phillips	Cache	(306) 606-9746	12/31/17

**This is a list of certified perc testers in Cache and Box Elder counties. For a complete statewide list, please go to the following website link:

<http://www.waterquality.utah.gov/Onsite/OnsiteProfList.pdf>

Septic System Installers

The following is a list of septic contractors that have had basic training in septic installation taught by the Bear River Health department.

Company name	Owner/employee names	Date of Training	City	Phone
Braegger & Sons, Inc.	Kenneth Braegger	2008	Willard	435-730-4381, 435-239-8366
Gallegos Construction	Jason Parker		Perry	435-723-5703
Grover Excavating	Clayton Grover, Jason Grover, Josh Bingham	2015	Tremonton	435-230-0085, 435-230-0087
HLS Construction	Steven Haramoto, Keenan Haramoto, Kelly Haramoto	2015	Elwood, Petersboro	435-230-2805
Jerry Excavation	Jerry Roskelley	2008	Brigham City	435-695-3972
Kupfer Excavation	Mel Kupfer	2015	Tremonton	435-230-0118
Landis Septic Service	Linford Landis	2008	Tremonton	435-257-6575
Misrasi Excavation	George Misrasi, Steve Lackey	2015	Elwood	435-237-9354, 435-279-5005
Rupp Trucking	Blair Rupp	2008	Tremonton	435-230-0167
Whitaker Construction	Jim Whitaker	2008	Brigham City	435-723-2921
Birch Creek	Shawn Cronquist	2008	Smithfield	435-752-4164
Blackrock Excavating	Nick Galloway	2008	Benson	435-753-4271, 435-881-1130
Christensen Construction & Pipe	Bret Christensen, Taylor Christensen, Sid Christensen	2015	Cove	435-994-0588, 435-258-0506
Double C Construction	Richie Calderwood	2008	Clarkston	
Hancey's Backhoe	Kyle Hancey, Dusty Hancey	2015	Millville	435-770-5164, 435-760-9472
JKT Construction	Jed Woodward	2015	Newton	435-770-9339
Johnson Excavating	Kim Johnson	2015	Logan	435-753-0883
K & D Excavation	Kent/Doug Petersen	2015	Smithfield	435-994-0641
Murray Excavating	Brad Murray	2008	Wellsville	435-770-5482
NW King & Sons	Brent King	2015	Lewiston	435-770-3203
Thuricon Inc.	Todd Thurston	2015	Smithfield	435-770-3203
Webb Excavating	Brent Webb, Brian Webb	2015	Richmond	435-994-1844, 435-994-0668
Coats Rooter Service	Darin Coats, Cory Robinson	2015	Weston, ID	208-747-3928, 208-747-3928
KCA Construction	Craig Allen, Kurt Bill	2015	Preston, ID	435-770-0230, 435-770-4200
Stringham Construction	Dan Stringham	2008	Laketown	435-946-3848
TBP Construction	Troy Petersen	2008	Garden City	435-946-8844
Telford Excavation	Laurel Telford	2008	Randolph	435-793-3315
Fusion Pipeline Inc.	Drew Lamont, Noel Rodriguez	2016	Tremonton	435-754-7057



Division of Water Quality

List of Approved Septic Tanks and Manufacturers

	Tank Size (Gal)	Depth of Burial (ft)	Date Approved	
Christensen Brothers				
				Phone Number (435) 462-9166
Fairview, UT				
Concrete	1,000	8-ft max	12/07/2004	Max. depth is 8-ft
Concrete	1,250	8-ft max	12/07/2004	Max. depth is 8-ft
Concrete	1,500	8-ft max	12/07/2004	Max. depth is 8-ft
Duracrete, Inc.				
				Phone Number (801) 972-8686
Salt Lake City, UT				
concrete	1,000	4-ft	12/06/1999	
Concrete	1,000	4-ft	07/30/2002	Holding tank
Concrete	1,000	4-ft	12/18/2003	
concrete	1,250	4-ft	12/06/1999	
Concrete	1,250	4-ft	12/18/2003	
Concrete	1,500	4-ft	03/31/2008	
concrete	1,750	4-ft	12/06/1999	
Concrete	1,750	4-ft	12/03/2002	
Concrete	1,750	4-ft	12/18/2003	
Concrete	2,000	4-ft	07/30/2002	Holding tank
concrete	2,500	4-ft	12/06/1999	
Concrete	3,000	4-ft	07/30/2002	Holding tank
Concrete	4,000	4-ft	07/30/2002	Holding tank
Concrete	4,000	4-ft	06/15/2009	
Concrete	5,000	4-ft Max	06/18/2013	Single Compartment Tank
Concrete	6,000	4-ft Max	06/18/2013	Single Compartment Tank
Concrete fiber-reinforced	1,000	4-ft	08/30/2004	1 pc. reinforced with fiber, 3 req's-see approval
Concrete fiber-reinforced	1,000	4-ft	08/30/2004	2 pc. reinforced with fiber-mesh, "
Concrete fiber-reinforced	1,250	4-ft	08/30/2004	1 pc. reinforced with fiber, 3 req's-see approval
Concrete fiber-reinforced	1,250	4-ft	08/30/2004	2 pc. reinforced with fiber-mesh, "
Dutson Supply Co.				
				Phone Number (435) 864-2020
Delta, UT				
Concrete	1,250	6-ft max burial	11/03/2000	Sanitary Tee to be supplied - (6-ft max burial - no surcharge load)
Concrete	1,500	6-ft max burial	11/03/2000	Sanitary Tee to be supplied - (6-ft max burial - no surcharge load)
Concrete	1,750	3-ft max burial	02/14/2008	Sanitary Tee to be supplied
Geneva Pipe				
				Phone Number (435) 673-6790
Washington, Utah				
concrete	1,000	4-ft	12/06/1999	circular
Concrete	1,000	8-ft max	07/05/2007	2 compartment
concrete	1,250	4-ft	12/06/1999	circular
concrete	1,500	4-ft	12/06/1999	circular
Concrete	1,500	8-ft max	07/05/2007	2 compartment
Concrete	1,750	4-ft max	05/20/2005	4 foot max. bury

	Tank Size (Gal)	Depth of Burial (ft)	Date Approved	
Concrete	1,750	8-ft max	07/05/2007	2 compartment
Concrete	2,400	4-ft	09/19/2001	rectangular
Concrete	2,500	4-ft max	05/20/2005	4 foot max. bury
Concrete	2,500	2-ft max	07/05/2007	2 compartment
Concrete	4,000	2-ft to 4-ft max	04/29/2013	2 compartment
Concrete	5,000	2-ft to 4-ft max	03/25/2013	single compartment
Grover Precast				Phone Number (435) 257-3600
Tremonton, Utah				
Concrete	1,000	3-ft max	03/27/2007	
Concrete	1,250	3-ft max	03/27/2007	
Concrete	1,500	3-ft max	03/27/2007	
Hancey Backhoe				Phone Number (435) 770-5164
Millville, UT				
Concrete	1,000	10-ft	06/04/2014	
Concrete	1,000	6-ft	03/26/2013	
Concrete	1,250	10-ft	06/04/2014	
Concrete	2,500	6-ft	03/26/2013	
Hancy's Backhoe Service				Phone Number (435) 752-8363
Millville, UT				
concrete	1,000	4-ft	11/03/2000	
Infiltrator Water Technologies, LLC				Phone Number (860) 577-7000
Old Saybrook, CT				
Polyethylene	1,050	3-ft max	01/05/2009	
Polyethylene	1,070	4-ft max	05/17/2011	Model IM-1060
Polyethylene	1,250	3-ft max	01/05/2009	
Polyethylene	1,500	3-ft max	01/05/2009	
Polyethylene	1,765	4-ft max	03/24/2014	Model IM-1530
Lindquist Concrete Products				Phone Number (801) 479-7008
Ogden, UT				
concrete	1,000	4-ft	10/06/1999	Low Profile
concrete	1,000	4-ft	10/06/1999	Standard
concrete	1,250	4-ft	10/06/1999	Low Profile
concrete	1,500	4-ft	10/06/1999	Low Profile
Millet Concrete Co.				Phone Number (435) 577-2885
Kingston, UT				
concrete	1,000	4-ft	03/30/2001	cylindrical, wire mesh
Norwesco Inc.				Phone Number (435) 882-5338
Tooele, UT				
polyethylene	1,000	2.5-ft max	11/03/2000	
Polyethylene	1,000	2.5-ft max	08/22/2003	
Polyethylene	1,000	2.5-ft max	12/03/2003	
polyethylene	1,250	2.5-ft max	11/03/2000	
Polyethylene	1,250	2.5-ft max	08/22/2003	
Polyethylene	1,250	2.5-ft max	12/03/2003	
polyethylene	1,500	2.5-ft max	11/03/2000	

	Tank Size (Gal)	Depth of Burial (ft)	Date Approved	
Polyethylene	1,500	2.5-ft max	08/22/2003	
Polyethylene	1,500	2.5-ft max	12/03/2003	
Norwesco Inc. (Bruiser Tanks)			Phone Number	(952) 446-1945
St. Bonifacius, MN				
Polyethylene	1,000	2.5-ft max	10/17/2007	
Polyethylene	1,250	2.5-ft max	10/17/2007	
Polyethylene	1,500	2.5-ft max	10/17/2007	
Norwesco/Snyder Industries			Phone Number	(800) 446-8817
St. Bonifacius, MN				
polyethylene	1,000	3-ft max	01/17/2014	
polyethylene	1,250	3-ft max	01/17/2014	
Polyethylene	1,500	3-ft max	01/17/2014	
Oldcastle Precast Design			Phone Number	(801) 624-7029
Ogden, Utah				
Concrete	1,000	6-ft Max	01/28/2013	
Concrete	1,800	4-ft Max	07/30/2013	single compartment
Concrete	2,500	4-ft Max	04/18/2013	single compartment
Concrete	3,000	4-ft Max	04/18/2013	single compartment
Concrete	5,000	4-ft Max	03/25/2013	single compartment
Orenco Systems			Phone Number	(800) 348-9843
Sutherlin, OR				
Fiberglass	1,000	4-ft max backfill	11/15/2006	Single compartment
Fiberglass	1,000	4-ft max backfill	04/10/2008	Double compartment w/conditions design meets 317-4
Fiberglass	1,500	4-ft max backfill	11/15/2006	Single compartment
Fiberglass	1,500	4-ft max backfill	04/10/2008	Double compartment w/conditions design meets 317-4
Raindance			Phone Number	(435) 722-9900
Roosevelt, UT				
concrete	1,000	4-ft	11/07/2001	6 X 6 X No. 6 wire mesh
Robertson Manufacturing			Phone Number	(435) 563-5257
Hyde Park, UT				
Concrete	1,000	4-ft	12/06/1999	
Concrete	1,250	4-ft	12/06/1999	
Concrete	1,500	4-ft	12/06/1999	
Concrete	1,500	6-ft	06/04/2015	
Concrete	2,000	4-ft	10/22/2008	
Concrete	2,500	4-ft	10/22/2008	
Concrete	3,000	4-ft	10/22/2008	
Concrete	4,000	4-ft	10/22/2008	
Roth Global Plastics, Inc. (formerly FR)			Phone Number	(866) 934-7256
Syracuse, NY				
Polyethylene	1,060	3-ft max	11/09/2004	RMT-1060
Polyethylene	1,250	3-ft max	11/09/2004	RMT-1250
Polyethylene	1,500	3-ft max	11/09/2004	RMT-1500

	Tank Size (Gal)	Depth of Burial (ft)	Date Approved	
Rupp Trucking				
Tremonton, UT				Phone Number (435) 257-7333
concrete	1,250	4-ft	10/06/1999	
Snyder Industries, Inc.				
Lincoln, NE				Phone Number (402) 465-1243
Polyethylene	1,050	3-ft max	12/18/2002	Single compartment
Polyethylene	1,050	3-ft max	09/27/2006	Double compartment
Polyethylene	1,050	3-ft max	12/18/2002	Double compartment
Polyethylene	1,250	3-ft max	12/18/2002	Single compartment
Polyethylene	1,250	3-ft max	09/27/2006	Double compartment
Polyethylene	1,250	3-ft max	12/18/2002	Double compartment
Polyethylene	1,500	3-ft max	12/18/2002	Double compartment
Polyethylene	1,500	3-ft max	12/18/2002	Single compartment
Polyethylene	1,500	3-ft max	09/27/2006	Double compartment
Thorpe Burial Vault Concrete Products				
Mapleton, UT				Phone Number (801) 489-6111
concrete	1,000	4-ft	10/06/1999	
concrete	1,250	4-ft	10/06/1999	
concrete	1,500	4-ft	10/06/1999	
Upwall Precast Concrete				
St. George, UT				Phone Number (435) 673-9377
concrete	1,250	9-ft max	11/03/2000	monolithic
concrete	1,500	9-ft max	04/09/2001	2 compartment
concrete	2,000	9-ft max	04/09/2001	2 compartment
concrete	2,500	9-ft max	04/09/2001	2 compartment