

JEFFERSON COUNTY PUBLIC HEALTH Environmental Health Services Division 645 Parfet Street, Lakewood, CO 80215 (303) 232-6301 FAX (303) 271-5760



jeffco.us/public-health

Body Art Artist License Application and Instructions

In accordance with Colorado state law, the Jefferson County Department of Health and Environment is now required to verify that persons applying for certain licenses are LAWFULLY PRESENT in the United States.

Use Department FORM A to document this requirement.

USE THIS PACKET TO APPLY FOR A LICENSE FOR ANY PERSON WHO PERFORMS BODY ART PROCEDURES IN JEFFERSON COUNTY COLORADO.

INSTRUCTIONS

To apply for your license, return the following to the Department:

- Completed application form (page 1),
- Proof of receipt of the vaccination against hepatitis B (HBV) or a written statement stating that the artist declines the vaccination,
- Proof of Universal Precautions, Blood borne pathogen control, training
- License fee of \$50.00
- Unless your business is a PARTNERSHIP or a CORPORATION on record with the Colorado Secretary of State, you must also submit FORM A to document your lawful presence in the United States.

Allow approximately ten (10) working days to process your application. Licenses are valid for a calendar year and expire on December 31. Licenses must be renewed prior to December 31 of each year.

DEPARTMENT CONTACTS Jessa Woodward (303) 271-5761

iwoodwar@jeffco.us

Jeanne Blake (303) 271-5757

jblake@jeffco.us

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APPLICATION FOR INDIVIDUAL SEWAGE DISPOSAL SYSTEM CONTRACTOR LICENSE

()	NEW	\$50.00		() RENEWAL	\$50.00	
No	ote:	applicat	ions are sent to	e issued, all lice current contrac IEW fee will be o	tors in early D	on Dec. 31 of ecember and m	each year. ust be postr	- Renewa narked by
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INSTRUCTIONS for TAKING THIS TEST

This is an open book test and you may use a copy of the current Jefferson County Individual Sewage Disposal System Regulations when taking it. The test may be taken at our offices or returned to us after you have completed it.

Page **Form 500**

Unless otherwise instructed, mark only the **MOST CORRECT** answer for each question.

You may mark on the question form, but please record all your answers on the **ANSWER FORM**.

100 POSSIBLE POINTS MINIMUM PASSING SCORE IS 75

An individual sewage disposal system permit is required (mark all that apply):

- to add an extension on to a failing absorption bed a)
- b) to replace a damaged septic tank
- to dig percolation and profile test holes c)
- to replace a broken line or pipe d)

The inspection log form that accompanies the permit is to be:

- given to the property owner for their records before installation begins
- posted conspicuously on the site when system construction begins b)
- c) kept in the contractor's office and returned to the Health Department upon completion of the system
- recycled

The individual sewage disposal system is considered to be installed and accepted for use when:

- the final grading of the absorption bed has been completed a)
- the design engineer makes his final inspection b)
- the system has been back-filled and the health officer (inspector) signs the c) approval statement on the bottom of the permit
- the Certificate of Occupancy is issued d)

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A sturdy aluminum ladder is an acceptable means of access for an inspector to enter the excavation for an inspection.

Provided at least one County inspection has been done, there is an automatic thirty-day grace period after a permit expires to complete the installation of the proposed system.

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All employees of a systems contractor must take and pass this contractor licensing examination.

> Т F

You can find out the required tank capacity and absorption bed size by checking the permit.

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As a licensed contractor, you can also be a subcontractor for a homeowner who wants to install their own permitted system.

tted system. F **5** Form 500

Page

Having a systems contractor license also permits you to perform inspections for Use Permits under Part IX of the ISDS regulations.

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If prior to (or during) construction you discover that a new well has been drilled on an adjacent lot less than 200 feet from the absorption bed you are installing, you should:

- a) proceed to install the system where it was staked since you already have a permit
- b) notify the design engineer of the problem and proceed with the installation
- c) tell the other property owner he must move his well or else
- d) notify the Health Department of the problem and halt (or do not begin) construction until the problem has been corrected

When is it permissible to substitute a gravel-less or chambered system for an absorption bed if the permit holder asks you to do so.

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Which of the following documents must be available for inspection at the site (mark all that apply):

- a) the individual sewage disposal system permit
- b) the engineering design with the Department's "approval" stamp
- c) a copy of the individual sewage disposal system regulations
- d) a copy of the well permit

If, during the preliminary inspection, the inspector leaves a note that the size of the absorption system is insufficient, you should

- a) increase the size of the excavation, then complete the installation
- b) increase the size of the excavation and have the engineer verify the new size
- c) increase the size of the excavation and call for a re-inspection by the Health
 Department
- d) ask the homeowner what they want you to do and follow their instructions

You are installing a system for a four bedroom single family dwelling when the owner asks you to put in a smaller tank and field, saying he has decided to build a three bedroom dwelling instead. You should:

- a) go ahead and do it after all, it's their system you're working on
- b) go ahead and do it and then notify the engineer
- c) go ahead and do it then notify the health department
- tell the owner they must first contact the engineer for a revised design and wait for the health department to approve the revised design.

Cast iron pipe may be used:

- a) whenever you run out of plastic pipe
- b) between a tank and absorption bed
- c) only when it is a requirement of the building code
- d) under asphalt driveways

A distribution box (mark all which apply):

- must have the inlet invert at least 1" above the outlet invert a)
- b) must be set level on a compacted base or concrete slab
- must be placed on a gravel bed at least six inches deep to prevent shifting c)
- must distribute effluent evenly throughout the absorption area unless d) specified by the design engineer

A building sewer less than 100 feet in length does not require a clean-out.

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Between the dwelling and septic tank, the building sewer shall (mark all which apply):

- have bends limited to 45-degree ells or long-sweep guarter bends
- b) not exceed 4% grade for the 5 feet prior to the tank
- have clean-outs every 100 feet c)
- have a grade of not less than 10% d)

The sewer line between the structure and a gray water septic tank must be 4 inches in diameter. Т

A water line, sewer line crossing must be constructed (mark all that apply):

- of sufficient strength to contain flows under pressure
- b) with the water line at least four feet above the sewer line
- with the sewer line double cased with the closest joint at least 10 feet from the C) point of crossing the water line
- d) water line-sewer line crossings are not permitted

If necessary, you can set forms and cast a 2000-gallon tank on the site.

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The engineering for a particular permitted system includes only a 3-compartment tank with a siphon in the last compartment. You may substitute a 2-compartment tank with a screened vault dosing siphon without consulting the Department since it also meets the requirements of the ISDS regulations.

All new septic tanks for absorption systems must be equipped with a pump or dosing siphon unless otherwise determined by the engineer.

Caulk or grouting should be placed (mark all that apply):

- between the tank top and tank body a)
- b) around the inlet and outlet pipes
- between the tank top and lowest riser section c)
- between all riser sections d)

You notice that the concrete septic tank that has been delivered appears to have cracks in it. You should:

- patch the cracks as best you can and install it anyway a)
- install the tank and backfill it with clayey soils to prevent leakage b)

Page **Form 500**

c) d)	have the tank leak-tested to verify that it is water-tight prior to installation notify the Health Department of the problem							
	procedure for abandoning a septic tank is to pump, backfill with inert material, the page and outlet lines. T F Form 500							
Septic tanks:								
a) b) c) d)	must be set level on a compacted base must be transported and set per manufacturer's specifications must be placed on a gravel bed to prevent shifting may be made of cinderblocks, if properly coated and sealed							
What is the m	ninimum separation distance between the septic tank and (fill in blanks):							
a) b) c)	a well ft d) a dwelling ft a water line ft e) an absorption bed ft surface water ft f) a property line ft							
The lids of a	septic tank shall be placed:							
a) b) c) d)	at finished grade no more than 6 inches below finished grade no more than 8 inches below finished grade no more than 12 inches below finished grade							
A replacemer	nt septic tank does not require either pumping or dosing. T F							
	design calls for the placement of a single compartment 1000 gallon tank and 1000 partment tank in series, it does not matter which tank comes first. T F							
Staked bales	of straw or silt fences are acceptable materials for constructing berms. T F							
During installa	ation, soil particles must be kept out of the gravel layer of an absorption bed because:							
a) b) c) d)	it reduces the amount of water the gravel will hold it will cause uneven settling it will promote root growth in the gravel layer the inspector will not approve dirty gravel							
At least one bed or fraction	(1) distribution line is required for every feet of the width of the absorption n thereof.							
The perforate	d pipe sections in the absorption beds should:							

	a) b) c) d)	be left unglued to allow be placed with the step be placed with the how be placed with the	enciled prir les facing	nting facing up	ı up ally offset from the bot	tom of the pipe	
		system with 3 standa of each trench must b				in width	and Page
What i	s the m	inimum separation dis	tance betw	een a star	dard absorption bed a	ınd:	Form 500
	a) b) c)	a well a dry gulch surface water	ft. ft. ft.	d) e) f)	a dwelling a water line a property line	ft. ft. ft.	
		ollowing are acceptabl k all that apply):	e gravel s	oecification	s for absorption		
	a) c)	D-57 special "Pea Gravel"	b) AS d) gr	•	-86 #2 ng a 2.5 inch screen ar nch screen	nd retained	
To be	approve T	ed for installation, grav F	el must be	washed.			
require	a tota	s question, examine the gravel depth of twelve the correct placement (a) b)	e (12) incl	hes across	the bed or trench, cir		
1700 p	ounds	t you must install a 72 per cubic yard (27 cub l be required for this al	pic feet = 1	cubic yard			
	a) b)	22.6 tons 226 tons	c) d)	72 720	tons		
	of the tall that	following materials ma apply)	y be used	for coveri	ng the gravel layer in	an absorption b	ed?
	a) b) c) d)	hay or straw untreated building pa synthetic pervious ma PVC film					
		on bed, the distribution he excavation and not				from	the
Syster	ns with	over-excavated absorp	otion beds	are require	ed:		
	a)	on all systems installe	ed over 60	00 ft elevat	tion		

- b) in clay soils
- c) when it is in the approved engineering design
- d) for all commercial uses

On systems that require an over-excavated absorption bed, the required depth will be measured:

- a) at the deepest point of the excavation
- b) at the deepest point on the up-slope wall of the excavation
- c) at the shallowest point along the down-slope wall of the excavation
- d) from the comfort of our air-conditioned trucks

Page **7** Form 500

A monitoring pipe must be installed in the absorption system to permit observation of conditions within the gravel layer.

After the inspector has approved the open excavation, you notice that water is pooled in the bottom, although there has been no rain or snow. You should:

- a) quickly backfill the excavation since it was already approved
- b) pump out the water and then backfill the excavation
- c) stop work and notify the howmeowner about the problem
- d) stop work and notify the health department about the problem

When installing a drip irrigation system, what is the minimum depth at which the distribution lines may be placed?

a) 6 inches

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- b) 12 inches
- c) 24 inches
- d) There is no minimum specified depth

Chamber-type absorption systems require an internal distribution pipe.

A water softener backwash line must be connected to a septic system.

An existing absorption or evaporation system may be abandoned in place by locating and capping the inlet line. T

The proper method of leveling the final backfill cover is to drive over it repeatedly with heavy tracked equipment.

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Due to steep topography, the individual sewage disposal permit requires that a liner be installed. The liner should be at least (A) mil thick and installed so that it covers (mark all that apply:

- a) the up-slope wall of the excavation
- b) the bottom of the excavation
- c) the down-slope wall of the excavation
- d) the ends of the excavation

If the permit calls for the installation of an alarm in a vault or holding tank, the alarm must be triggered when the tank reaches _____% of its capacity.

An alarm box must only be installed inside the dwelling that is served by the individual sewage disposal system.

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Contaminated soil removed from an old absorption bed may be disposed of in the following manner:

- Page 8 Form 500
- a) mixed with fresh soil and used as filter material in the new absorption bed
- b) the soil may be spread out to dry onsite
- c) the soil may be used as fill around the foundation of the house
- d) hauled to the nearest landfill for disposal

The correct procedures for abandoning a pit privy are as follows (mark all that apply):

- a) the pit should be pumped, if possible, treated with slaked lime or other disinfectant, then filled with earth or other inert materials
- b) the stool seat may remain in place
- c) the pit may be covered with a piece of sturdy plywood
- d) the pit may be left open to dry out on its own

The system you are installing calls for a subsoil (lined curtain) drain to be placed up-slope from the absorption bed. What is the minimum setback to the bed?

- a) 10 feet
- b) 25 feet
- c) 4 X the depth of the bed
- d) 2 X the width of the bed

Blasting is permitted to install an individual sewage disposal system under what conditions (mark all that apply):

- a) when the system cannot be excavated without it
- b) when the approved design allows blasting
- c) when the nearest well is greater than 200 feet from the blast site
- d) when you yell "fire in the hole!" before setting off the charges

If you are also working on the house, you can blast to excavate the foundation even if the septic permit prohibits blasting.

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A sewer line may be placed less than 50 feet from a well if those portions of the line within 50 feet are double-cased in accordance with the Regulations.

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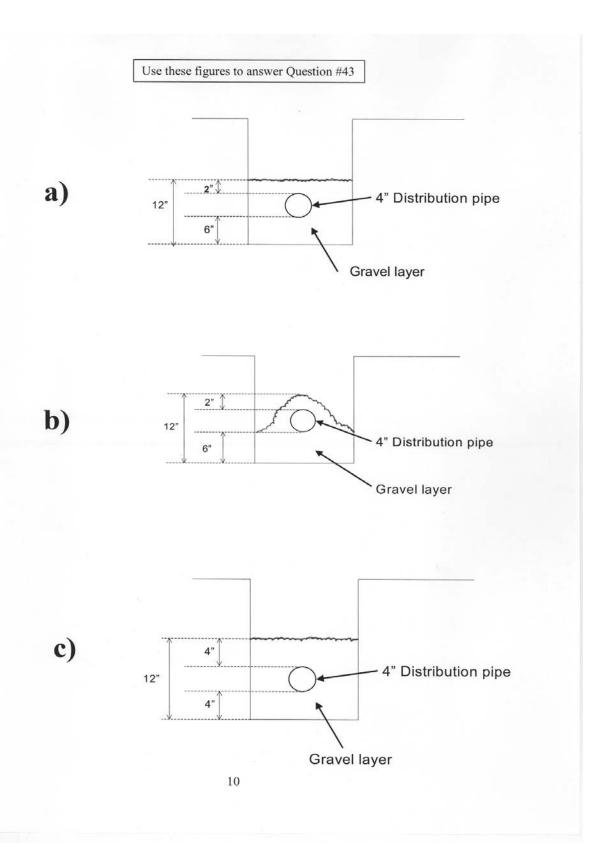
Non-perforated ASTM D2729 pipe can be used between the house and the septic tank only.

It is an acceptable practice to connect the floor drain of a garage into an individual sewage disposal system.

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Vaults are to be installed so that the top of the vault is at least (a) _____ below the top of the gray water tank (horizontally) and the tanks are at least (b) ____ apart.

Before bedding pipe, it is necessary to fill in all voids below the pipe, even if the ground is frozen.



Jefferson County Department of Health and Environment ISDS Contractor Test Answer Form

Page **10** Form 500

APPL	ICANTI	NAME:					Ľ	AIE			<u> </u>
	Plea	ase circ	le corre	ect answer(s	a) or fill in bla	nks as	directed	d by the	auesti	on form	١.
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3. a	b	С	d			45. a		С	d		
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12. a	b	С	d			54. T	F				
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