

REQUEST FOR CONDITIONAL USE PERMIT

COMPLETE ALL FIELDS AND ATTACH CHECKLIST – PLEASE PRINT LEGIBLY

\$225 NON-REFUNDABLE APPLICATION FEE + COSTS

* 1. Angela Randazzo / James Smith n/a

| | | | | | | | | |
|-----------------------------|----------------------|--------------------|-----------------|---------------|-------------------------------------|--|---------|--|
| Print Name (Property Owner) | 1951 S. Rangeline Rd | Address | Columbia, 65201 | 636-578-8504 | Print Name (Potential Buyer/Lessee) | | Address | |
| City - State - Zip | PHONE | City - State - Zip | PHONE | | | | | |
| randazzosmith@gmail.com | | EMAIL ADDRESS | | EMAIL ADDRESS | | | | |

* 2. LEGAL DESCRIPTION of land for which Conditional Use Permit application is made, including Section, Township and Range. Please attach copy of the current ownership deed and, if available, a survey.
Please see attached

* 3. Present zoning A1 Current land use residential/farm (hay field)

* 4. Lot/tract size tract 1 / 10.05 Acres/Sq. Ft. 5. Adjacent Zoning A1

* 6. Classification and proposed use for conditional use: (Please be as detailed as possible in describing the proposed use. Attach additional page(s) if necessary)
Please see attached

* 7. Reason and justification for the request being submitted: (Attach additional page(s) if necessary)
Please see attached

* 8. Approximate size, use and location of all structures:
Please see attached
Existing: _____
Proposed: None

* 9. Type of wastewater system: residence-septic Business- land application

| | | |
|-----------------------|-----------------------------|---------------------|
| <u>Paws In Heaven</u> | <u>1951 S. Rangeline Rd</u> | <u>573-826-3016</u> |
| Name | Address | Phone Number |

The above information is true and correct to the best of my knowledge. I have completed and submitted the required checklist and I understand that if I have not submitted the required documentation by the specified deadline this application will be invalidated and I may be required to re-apply.

[Signature] 9-20-22 _____
Owner's Signature Date Potential Buyer's/Lessee's Signature Date

NOTE: Please attach any additional documentation, sketches, permits, names and addresses as required as minimum information. Failure to provide any of the required material(s) will result in the invalidation of this application. Do not email form. Original signature is required.

Received by Pauln Cwano Date 9/26/22
Boone County Resource Management



Request for conditional use permit answers to questions 6, 7 and 8

6. Classification and proposed use for conditional use:

To extend my house call veterinary practice services, to include water-based cremation, a.k.a Aquamation or alkaline hydrolysis. Specifically, this service will be used for my patients to process their remains to ashes in order to deliver back to the owner. The Pet-400 is a unit that is designed to hold a maximum of 400 lb of deceased pets, each placed in individual compartments. It is automated and 1 full cycle takes approximately 24 hours to finish, which produces 140 gallons of effluent. At the current volume of patients I have, one full cycle or 1 half cycle per week or no cycles per week is all that would be required, producing either 0, 70 gallons or 140 gallons of effluent, which is sterile and composed of water, amino acids, starches and sugars and is used as fertilizer. By comparison, the average American family uses 300 gallons of water per day (epa.gov). The process itself requires, warm water and the addition of potassium hydroxide, what is left is the inorganic material, that resembles the skeletal remains. These are allowed to dry and then processed into ash. The effluent can be applied to the land as it is a nutritious fertilizer we plan to use on our hay fields.

7. Reason and justification for the request being submitted.

As a veterinarian that provides end of life care (hospice/humane euthanasia), this extension of service allows me to keep possession of the pet through final disposition instead of using an outside crematorium. It is also unique in that the process is a significantly greener alternative (using 90% less energy and eliminates the emission of harmful green-house gases) in comparison to traditional

fire based cremation, which is currently the only option available to pet owners in mid-Missouri.

The effluent or the by-product produced by the process of Aquamation will be land applied, in the winter it will be tanked via IBC (intermediate bulk containers). These containers have a capacity of 250 gallons and 4 will allow for the possible volume that could occur in the winter months, in addition a 425 gallon tank that will be used for storage/land application. This combined storage capacity should be more than enough to handle what may be produced. The effluent can also be dumped into a manure pit and efforts are being made to explore this alternative.

8. Approximate size, use and location of all structures.

Residence - approximately 4000 sq. ft.

Big barn - approximately 850 sq.ft.,per level (2 levels) used to store baled hay

Little barn - approximately 450 sq ft proposed site for operation

Garage approximately 600 sq ft. houses vehicles/tools/etc.

a) The establishment, maintenance or operation of a CUP will not be detrimental to or endanger the public health safety, comfort or general welfare.

- The addition of the Aquamation process will not in any way affect the surrounding neighbors or change their daily lives from how they are carried out now. There will be no additional traffic. There will be no change to my daily business practices that occur presently, on the property with the exception of the land application of the effluent (a fertilizer), which will occur at a frequency of once per week (or less) and take no longer than it would take to discharge 70 to 140 gallons of liquid. Otherwise there will be no impact in sight, health or well-being other than what they currently are exposed to in their environment. In fact, unless the knowledge of the business practice is told to them, they would not know it occurred.

b) The CUP will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted by these regulations.

The use of the CUP will in no way affect neighboring properties. The process does not create noise, or smoke, or light, nor discharge any harmful emissions (greenhouse gases) like a flame crematorium. The byproduct (effluent) that the board labels as “commercial or industrial waste” is really a sterile fertilizer composed of water, amino acids, starches and sugars. It is free of any pathogens (virus, bacteria, prions) and does not even contain DNA or RNA. The NPK is less than that of Miracle Grow. There will be no change to the visual aesthetic of the land or structures that are currently present. There will be no increase in traffic, in fact it will reduce the need for the operators of a flame crematorium I am currently utilizing for my patients to come weekly. It will however, improve the soil, growth rate of the hay and enhance the look of the grass on our property.

c) The CUP will not substantially diminish or impair property values of existing properties in the neighborhood.

Since there will be no change to existing property in terms of new construction or a need for a professional appraiser to assess the area, the property value will remain the same for mine as well as the surrounding properties.

d) All necessary facilities will be available, including, but not limited to, utilities, roads, road access and drainage.

The building proposed to house the aquamation unit is located next to my personal driveway on the opposite side of my residence, and is currently set up (and has been since before my in-laws acquired the property in 1998) for electricity, plumbing access.

e) The establishment of a CUP will not impede the normal and orderly development and improvement of surrounding property for uses permitted in the zoning district.

In no way will the CUP impede or effect the surrounding property as zoned because the activity will be contained within a presently existing building, and the effluent (by- product/fertilizer) will be distributed or stored on our property. This will not effect the improvement or installation of local utilities, should they come to the area. Nor will it impede the activity of my neighbors that want to augment or improve their properties in anyway.

f) The establishment of a CUP will not hinder the flow of traffic or result in traffic congestion on the public streets. This will include the provision of points of access to the subject property.

The traffic to the area will not change, no customers will be coming to the property as my practice is mobile and I go to them, as well as provide delivery of the pets cremated ashes back to the owner. There are no employees other than myself and my husband who occasionally assists me, whom already lives at the property. The traffic will not in any way change with the addition of this service as it is home based.

P.02

Jul 16 2002 15:49

Fax: 5738755519

BOONE CENTRAL TITLE

1343.85

N 1°06'00" E

SECTION LINE

2808.30' FM
2798.40' REC (3475)

SW CORNER
SE 1/4, NW 1/4
SECTION 19-48-I
ESTABLISHED AT
MIDPOINT ALONG
1/4 SECTION LINE

TRACT 3
23.18 ACRES

SECTION LINE

LINE

SECTION LINE

SECTION LINE

535.05

N 89°15'05" E

1410.05'

20.00

1/4 1/4

SECTION LINE

S 1°19'35" W
500.00'

EXISTING POND

TRACT
10.04 ACRES

NE CORNER
SE 1/4, NW 1/4
SECTION 19-48-I
ESTABLISHED AT
MIDPOINT ALONG
1/4 SECTION LINE

S 89°15'05" W 875.00'

342.80'

SECTION LINE

PROPOSED 50' ACCESS
EASEMENT

GRAVEL DRIVE

EXISTING BUILDING

EXISTING BARN

TRACT 1
10.05 ACRES

S 1°19'35" W 856.70'

S 1°19'35" W
79.00'

N 89°55'00" W
252.00'

280.00'

WD 878-660
252.0'

N 89°55'00" W 1152.15'

1404.15'

RANGE LINE ROAD S 1°19'35" W

1285.40'

9.10' REC (3475)

1845.05' FM SECTION LINE
16.30' N4

CEP
SET
ALL
DU
PEI

residence





Barn



Proposed site of Agumation





George



Exhibit D

BIO-RESPONSE SOLUTIONS

200 Colin Court
Danville, IN 46122
317.386.3500
www.bioresponsesolutions.com
www.bioresponsefuneral.com

June 30 2021

RE: Sterilization Capability of Alkaline Hydrolysis Systems

To Whom It May Concern:

This letter is to provide a formal statement that the PET-550 alkaline hydrolysis process achieves complete sterilization of all pathogenic material.

Alkaline hydrolysis has been used for over 30 years for the sterilization and disposition of animal mortalities at universities, research facilities, and pharmaceutical and bio-containment laboratories. This process uses heat, alkali, and water to thoroughly break down and sterilize tissues and chemicals. Alkaline hydrolysis for whole tissue and bodies exceeds sterility assurance level III of the US State and Territorial Association on Alternate Treatment Technologies (STAATT) requirements, which is the highest level of pathogen reduction. Alkaline hydrolysis systems achieve inactivation of bacteria, fungi, viruses, parasites and mycobacteria at 10^6 reduction, inactivation of spore-forming bacteria at 10^6 reduction, and complete prion inactivation through lysing of peptides to <3kDa in size.

The process has been validated, and peer reviewed and published.

Respectfully,

Samantha J. Sieber
Biologist
Vice President of Research Bio-
Response Solutions, Inc.
sam@bioresponsesolutions.com



**BIO-RESPONSE
SOLUTIONS**

**EFFLUENT DECONTAMINATION SYSTEM
ALKALINE HYDROLYSIS SYSTEMS
CONSULTATION**