



Non-Point Source Update FY 2014 Loan Awards

Spokane River DO TMDL Meeting
5/22/13



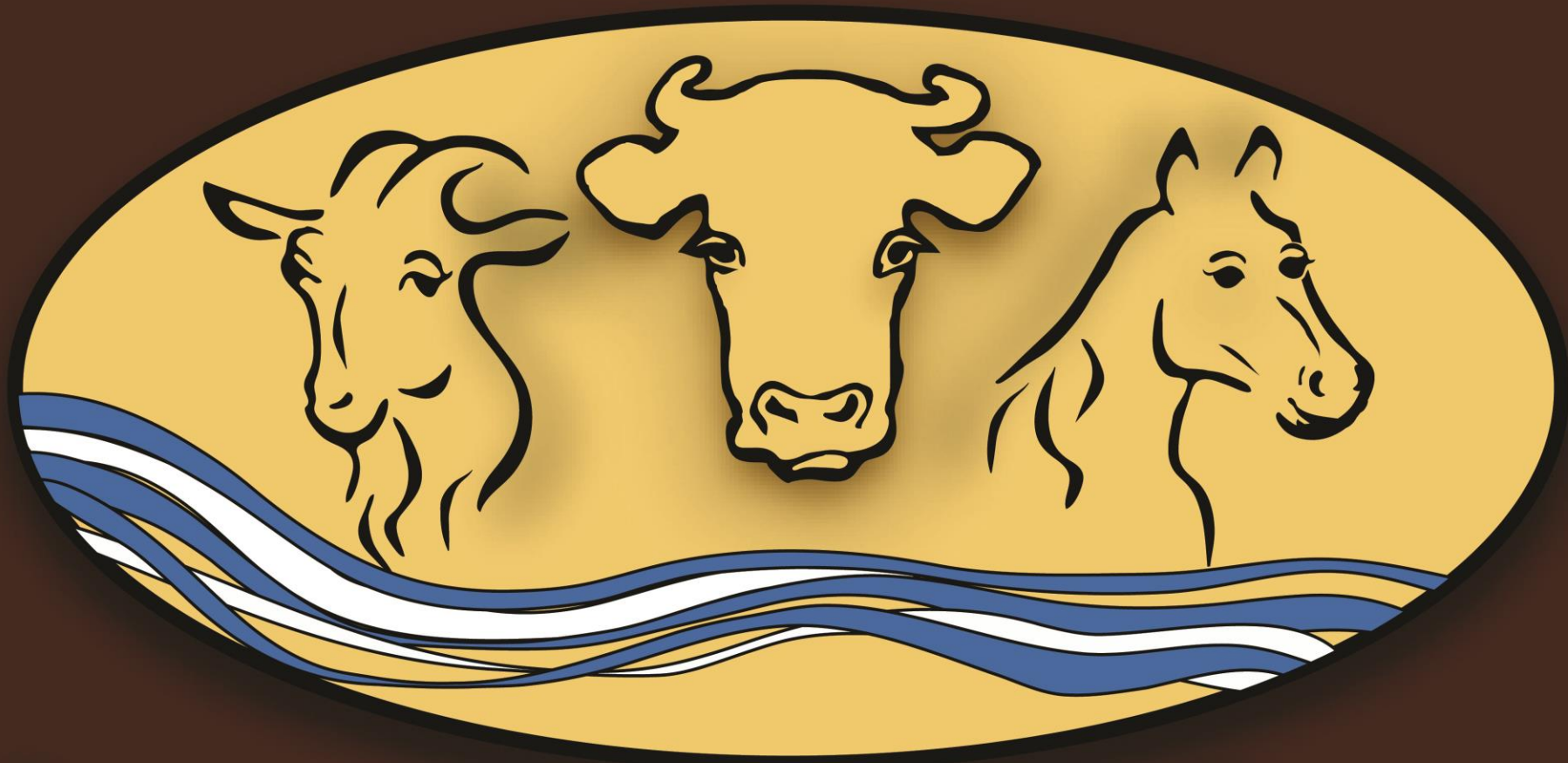
Project # 1

Livestock and Land

Centennial Grant Funding Proposed: \$250,000

Revolving Loan Standard Loan Proposed: \$200,000

(Loan term 5 years)



LIVESTOCK AND LAND



Program Objectives

- Enriching animal health
- Improving chore efficiency
- Enhancing aesthetics and property value
- Improving facility or operation
- Reducing flies, mud, manure, and dust
- Community collaboration



Technical Assistance



- BMPs/cost-share
- Free site visits and consultations
- Workshops/training
- Volunteers
- Demonstration projects
- Publications and brochures
- Peer to Peer assistance



The War on Mud





Most Operations
Have Mud!



But It Can Be
Managed











From This...



To This







High Traffic Areas











Now what do we do with this?



Calculating your storage needs...



(One Adult Horse)

X

Number
of
Horses

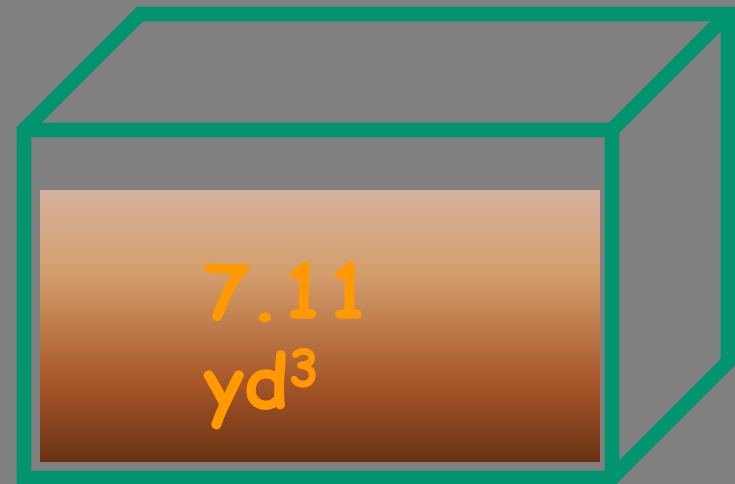
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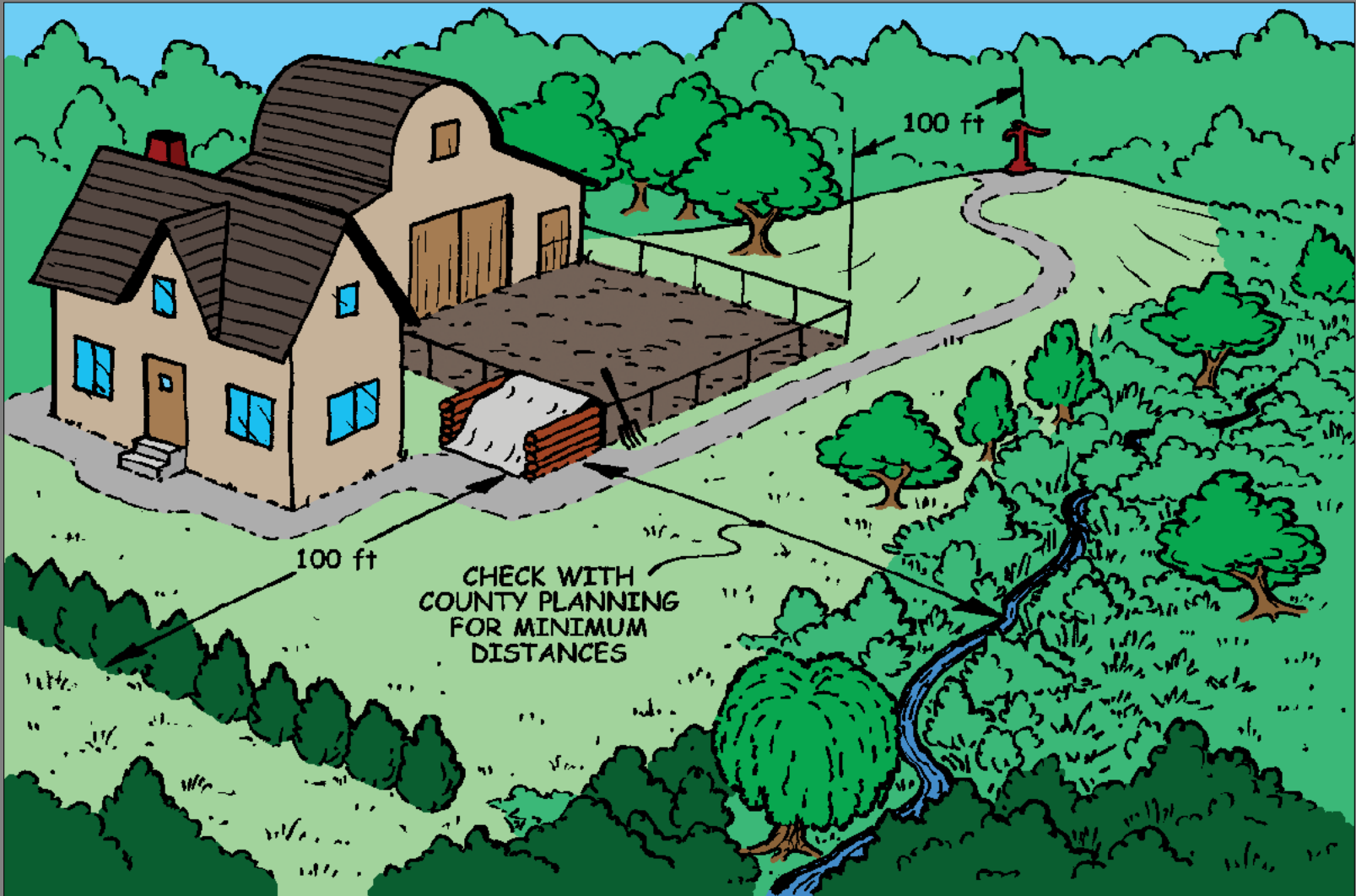
Volume of
used
bedding
material
(yd³/month)

=

Compost bin
space
required
(yd³/month)

The capacity of
one 8 foot x 8 foot
bin, filled 3 feet
high, is 192 ft³
(Converted to yd³)





CHECK WITH
COUNTY PLANNING
FOR MINIMUM
DISTANCES

Example #1: Three-Bay Aerated Compost Facility



**SCD cost-share
50%, up to \$6K**

Structure Dimensions:	20' 8" X 6'
Number of Horses:	2-10
Projected volume/mo:	5 cubic yards
Concrete Apron:	Recommended 8'
Bays:	6'W x 5'4"L x 4'H. (3 with aeration chambers)
Structure Material:	Wood separation walls, concrete slab base w/partial back-wall
Roof:	No roof – recommended tarped
Electrical:	110V; 20 AMP

Estimated Project Costs

<u>Components</u>	<u>Cost</u>
Slab - Form, Pour, Finish	\$380
Supplies & Lumber	\$1,400
Supplies & Piping, misc.	\$220
Design and Equipment	\$2,800
Labor	\$1,000
Electrical, misc.	\$500

TOTAL **\$6,300**





Example #2: Four-Bay Aerated Compost Facility

Estimated Project Costs



<u>Components</u>	<u>Cost</u>
Slab - Prep, Form, Pour, Finish	\$2,500
Lumber & Roof (gabled ends)	\$3,200
Labor to Build	\$2,500
Design and Equipment	\$4,000
Electrical	\$500
Misc.	\$500

TOTAL

\$13,200

**SCD cost-share
50%, up to \$6K**

Structure Dimensions:	34' X 10'
Number of Horses:	2-10
Projected volume/mo:	8 cubic yards (each bay holds up to 9.48 cubic yards)
Concrete Apron:	8' X 34' (optional)
Bays:	8'W x 8'L x 4'H. 2 aeration chambers per bay
Structure Material:	Wood, concrete slab
Roof:	Hip style with gabled ends (metal). Min of 8'6"
Electrical Service:	110V; 20 AMP



SCD Compost Spreader Rental Program

Organic Materials Exchange

MANURE • COMPOST • MULCH

Trying to get rid of woodchips from your last job site?

Or is your fall garden lacking in good compost?

Welcome to the Organic Materials Exchange where you can find a home for your unwanted 'organic' waste or find useful materials for your garden! Currently our listings include livestock manure, compost and various types of mulch such as wood chips, coffee grinds, and more. If you have other materials you'd like to list, please e-mail or call us with your suggestions.

[Sign-up to be on the Exchange List](#)

Listing Example:

Name:	Herbert Family Organic Farm
City:	Spokane Valley
County:	Spokane
Zip code:	99206
Phone:	
Product:	Manure Compost
Cost:	\$40.00 per load
Loading:	We Load
Delivery:	You Pick-up
Availability:	Year-round







Project # 2

Septic Tank Replacement Loan Program

Centennial Grant Funding Proposed: \$300,000

Revolving Loan Standard Loan Proposed: \$450,000

Revolving Fund Forgivable Principal Loan Proposed: \$50,000
(Loan term 5 years)

Spokane County On-Site Septic Systems

- Many systems installed prior to 1974 Standards
- Even with low failure rate = thousands of OSS releasing poorly treated sewage to streams and ground water.
- County Septic Elimination Program
 - Funding ends this year
 - Over aquifer only

Typical Costs to Replace Septic System

• SRHD application permit	\$1,420
• SRHD waiver	\$ 150
• Back hoe (test holes)	\$ 272
• Engineer (prelim and final)	\$1,100
• Excavation	\$2,000
• Plumber	\$ 220
• Old septic pumped	\$ 309
• Pump installation	\$2,277
• Excavation/installation/finish	\$8,313
• Restore backyard	\$2,790

Total **\$18,851**

Other NPS Projects

- Garden Springs Restoration - City of Spokane (\$154,000)
- Hangman Creek Riparian Project - INLT (\$112,000)

Replace, Repair, Connect!

- We can replace existing systems only. No new OSS.
- We can repair.
- We can connect landowner to sewer.

How it Works

- Eligibility and Cost-share TBD.
- Loan/Grant funds:
 - Cover operating costs
 - Small grants to landowners
 - Providing loans
 - Cost-share for landowners with failing systems
 - Establish loan loss reserve account (defaults)