

Belle Fourche River Watershed 319 Project  
Available Funding for Best Management Practices

**Criteria for Funding**

Deadline for first round of Applications: April 1, 2006

The Crook County Natural Resource District has approximately \$90,000 in cost-share available to landowners in the Belle Fourche River Watershed area of Crook County. These funds will use best management practices to address water quality concerns.

The purpose of this cost-share program is to demonstrate best management practices that will assist in reducing water quality impacts from non-point sources; such as surface and ground water protection, animal waste management, runoff control, water source development, septic systems, and wildlife concerns. In addition, the program is also aimed at assisting landowners in avoiding regulatory action by state and federal government agencies. (*Attached is an example list of Best Management Practices that could qualify for cost share.*)

FUNDING CRITERIA - The following items will be reviewed by the Advisory Committee and the CCNRD Board of Supervisors to rank the applicants:

1. Is the property within the Belle Fourche River Watershed? (*see attached map of watershed*)
2. Is there a potential water quality concern?
3. Will the project utilize cost effective Best Management Practices?
3. Is the total project cost matched at a 50% rate with non-federal cash or in-kind contributions?

*(This match can include, but not limited to cash contributed by the landowners, local Conservation District, etc. and/or in-kind contributions on behalf of the landowner such as labor, other individual's time, etc.)*

**Crook County Natural Resource District**  
**Cost-share reimbursement policy**

Reimbursements through the Belle Fourche River 319 Grant Program will be provided on the following conditions:

1. Individual Best Management Practices must be installed as per the designs provided by the Natural Resources Conservation Service.
2. All practices must meet, or exceed, NRCS Standards and Specifications outlined in the NRCS Field Office Tech Guide.
3. The NRCS District Conservationist must certify the practice(s) and final as-builts prior to a reimbursement request being submitted by the landowner.
4. Cost share payments are to be made by the CCNRD after a practice or identifiable component of the practice has been completed and certified.
5. Available supporting documentation (bills, invoices, etc.) have been submitted to the CCNRD office.
  - a. The participants will submit a signed, itemized statement which will include:
    - Dates of work performed
    - Cost per hour charged
    - Type of equipment used
    - Charge for equipment
    - Type and value of materials used, including on-hand or used materials
    - Type and value of donated labor or materials
    - Other applicable information

In the case that the District Conservationist does not approve an individual practice, CCNRD will make every effort to work with the landowner and NRCS to resolve any concerns so that cost-share can be provided.

**Crook County Natural Resource District**  
**Belle Fourche River Watershed 319 Project**  
**Application for Funding – Best Management Practices**

**PROJECT APPLICATION DEADLINE: April 1, 2006**

**Conservation District:** CCNRD

**County Located:** Crook

**Contact Person/Project Coordinator:** Yarrow Wolfe, Watershed Coordinator

**Address:** 117 S. 21<sup>st</sup> Street P.O. Box 1070 Sundance, WY 82729

**Phone:** (307) 283-2501 **E-mail:** [yarrow.wolfe@wy.nacdnet.org](mailto:yarrow.wolfe@wy.nacdnet.org)

**Landowner Name, Address and Phone Number:**

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**Project Name (and brief description):**

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**General Location within Belle Fourche Watershed (please attach a simple sketch of property layout and location within the watershed):**

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**Waterbodies Impacted:** \_\_\_\_\_

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*(Please note that all information included on this page will be for District Use Only. No part of this information will be available for public knowledge. The CCNRD maintains a strict privacy policy for all submitted applications for the grant funding. If the application is selected, the District enters in to a contract with the landowner and the information becomes part of the Belle Fourche 319 Grant and will be submitted to the Department of Environmental Quality (DEQ).)*

**Distance of Concern Area to Surface Water Body:**

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**Number/Type of Livestock, etc:** \_\_\_\_\_

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**Duration/Time of Use:**

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**Summary of potential Water Quality concern:** Complete and include enclosed self-assessment with application along with any additional narratives, photographs, drawings, etc. if available. In addition, please include any water quality information supporting the need for the project, if available.

**Self Assessment Summary:**

**Level of Risk:**            **High**\_\_\_\_\_            **Low**\_\_\_\_\_

**Summary of potential water quality impact:**

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**Planned date of Project Implementation:**

**Date initiated:** \_\_\_\_\_

**Date completed:** \_\_\_\_\_

**Type of potential Best Management Practices (Recommend initial contact and consultation with the Natural Resources Conservation Service local field office to assist with preliminary design):**

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**Amount of Cost Share Funds requested:** \_\_\_\_\_

**Estimated total project cost:** \_\_\_\_\_

**(Total project must be matched with 50% non-federal funds; either with cash or in-kind contributions)**

**Description of potential Information/Education efforts:**

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**Signature of Landowner:** \_\_\_\_\_

**Signature of Contact person/Project Coordinator:** \_\_\_\_\_

**Permission is given to the Crook County Natural Resource District to do a scheduled on-site visit to ensure criteria are met for the project. The District will notify the landowner in advance to set up a time & date of visit.**

\_\_\_\_\_ **Initial here**

**Return completed application and self-assessment to:**

**Crook County Natural Resource District  
117 South 21<sup>st</sup> Street P.O. Box 1070  
Sundance, WY 82729  
Phone: (307)283-2501  
E-mail: [yarrow.wolfe@wy.nacdnet.org](mailto:yarrow.wolfe@wy.nacdnet.org)**

**Application Deadline is April, 2006**

**Crook County Natural Resource District**  
**Belle Fourche River Watershed 319 Project**  
**Application for Funding – Best Management Practices**

**PROJECT APPLICATION DEADLINE: March 15, 2004**

**EXAMPLE**

**Conservation District:** CCNRD

**County Located:** Crook

**Contact Person/Project Coordinator:** Yarrow Wolfe, Watershed Coordinator

**Address:** 117 S. 21<sup>st</sup> Street P.O. Box 1070 Sundance, WY 82729

**Phone:** (307) 283-2501 **E-mail:** [yarrow.wolfe@wy.nacdnet.org](mailto:yarrow.wolfe@wy.nacdnet.org)

**Landowner Name, Address and Phone Number:**

Mr. and Mrs. John Q. Rancher

P. O. Box 1000 Anytown, WY 82700

Phone: 307-555-555

**Project Name -Type of Project (i.e.: agriculture, sewer, etc.):**

Cattle/Corral Improvement Project – 300 head of cattle are maintained in a winter pasture/coral system that has direct access to nearby Hunter Creek. This Creek fluctuates dramatically with storm events. This particular fall has been very wet, which has increased the amount of runoff into the creek.

**General Location within Belle Fourche Watershed (please attach a simple sketch of property layout and location within the watershed):**

Ranch is located 15 miles west of Anytown, Wyoming. The corral is located on the north side of the main house, approximately 200 yards. (Please see attached sketch)

**Waterbodies Impacted:**

Nearby Hunter Creek which flows directly into the Salmon River

*(Please note that all information included on this page will be for District Use Only. No part of this information will be available for public knowledge. The CCNRD maintains a strict private policy for all submitted applications for the grant funding. If the application is selected, the District enters in to a contract with the landowner and the information becomes part of the Belle Fourche 319 Grant and will be submitted to the Department of Environmental Quality (DEQ).)*

**Distance of Concern Area to Surface Water Body:** Direct Access

**Number/Type of Livestock, etc:** 300 Head of Hereford cow/calf pairs

**Duration/Time of Use:**

Cows are turned into the pasture following weaning and remain until calving. This system has been used in this manner for about 30 years.

**Summary of potential Water Quality concern:** Complete and include enclosed self-assessment with application along with any additional narratives, photographs, drawings, etc. if available. In addition, please include any water quality information supporting the need for the project, if available.

**Self Assessment Summary:**

**Level of Risk:** High X Low \_\_\_\_\_

**Summary of potential water quality impact:**

I recently increased my cow herd and have noticed an increase of brown colored water flowing into Hunter Creek where the spring thaw occurs. I am concerned that this manure may be causing impacts downstream.

**Planned date of Project Implementation:**

**Date started:** September 15<sup>th</sup>, 2005

**Date completed:** (projected) September 15<sup>th</sup>, 2006

**Type of potential Best Management Practices (Recommend initial contact and consultation with the Natural Resources Conservation Service local field office to assist with preliminary design):**

A stock water tank will be installed in the corral and piped from an existing well located 50 feet south of the main barn. A fence will be constructed to prevent access to the stream. The area near the stream will then be reseeded to replace the lost groundcover and trees will be planted along the stream to promote riparian habitat.

**Amount of Cost Share Funds requested: \$5,000**

**Estimated total project cost: \$10,000**

**(Total project must be matched with 50% non-federal funds; either with cash or in-kind contributions)**

**Description of potential Information/Education efforts:**

If other landowners were interested in the project, I would be willing to show them the improvements that have been made.

**Signature of Landowner: X**

**Signature of Contact person/Project Coordinator: X**

**Permission is given to the Crook County Natural Resource District to do a scheduled on-site visit to ensure criteria are met for the project. The District will notify the landowner in advance to set up a time & date of visit.**

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**Return completed application and self-assessment to:**

**Crook County Natural Resource District  
117 South 21<sup>st</sup> Street P.O. Box 1070  
Sundance, WY 82729  
Phone: (307)283-2501  
E-mail: [yarrow.wolfe@wy.nacdnet.org](mailto:yarrow.wolfe@wy.nacdnet.org)**

**Application Deadline is March 15<sup>th</sup>, 2004**

## Examples of Best Management Practices

### **AGRICULTURE**

#### Surface and Groundwater Protection

Critical Area Planting  
Fencing  
Filter Strips  
Heavy Use Areas  
Livestock Grazing Management  
Mulching

#### Animal Waste Management

Nutrient Management  
Waste Management  
Waste Storage Structure  
Waste Utilization

#### Runoff Control

Dike  
Diversion  
Flood Water Diversion  
Grassed Waterway  
Hillside Ditch  
Land Smoothing  
Lined Waterway or Outlet  
Open Channel  
Roof Runoff Management  
Sediment Control Basin  
Structure for Water Control  
Surface Drainage (main, lateral, or field ditch)  
Terrace  
Waterspreading  
Water and Sediment Control Basin

#### Water Source/Supplemental Development

Trough or Tank  
Wells

### **URBAN**

Restoration of Septic Systems  
Retain surface runoff to prevent off-site flow  
Treatment of surface runoff

## Evaluating confined livestock operations

All livestock producers should address water quality issues. You can begin assessing your own operation by asking yourself the question "Do wastes from my facility discharge, or have the potential to discharge, into any surface or ground water?" If the answer is yes, your operation may have an impact on water quality that should be addressed.

This self-assessment can help you evaluate your operation based on features found at your site. This assessment is designed as a voluntary, confidential assessment of your property. Checking a high risk category does not necessarily mean you are adversely affecting water quality; however, it is an indication that your operation has a risk of adversely impacting water quality. Remember, this is a general evaluation, it does not include all site-specific concerns. This assessment is designed for owners of "animal feeding operations". Animal Feeding Operations are defined as follows: *"A lot or facility where animals have been, are, or will be stabled or confined and fed or maintained for a total of at least 45 days in any 12-month period, and the animal confinement areas do not sustain crops, vegetation, forage growth, or post-harvest residues in the normal growing season."*

Site Features: Based on your confined livestock facilities	Higher Risk	Lower Risk	Indicate with H or L
What is the distance to surface water?	Less than 100 feet away	More than 500 feet away	
Is the confinement area located in the floodplain?	Within the floodplain	Far above the floodplain	
What is the depth to groundwater?	Less than 50 feet deep	More than 100 feet deep	
Is this aquifer used for drinking water?	Yes	No	
What are the soil types?	Sandy or gravelly soils with low water and nutrient holding capacities	Clayey soils with high water and nutrient holding capacities	
What is the distance to any water wells?	Less than 100 feet away	More than 500 feet away	
What is the condition of well? (If you are unsure please answer no) Is the well properly sealed?	No	Yes	
Is it above surface water drainage?	No	Yes	
Does terrain slope towards or away from surface water? What is the slope of terrain?	Toward More than 5%	Away Less than 1%	

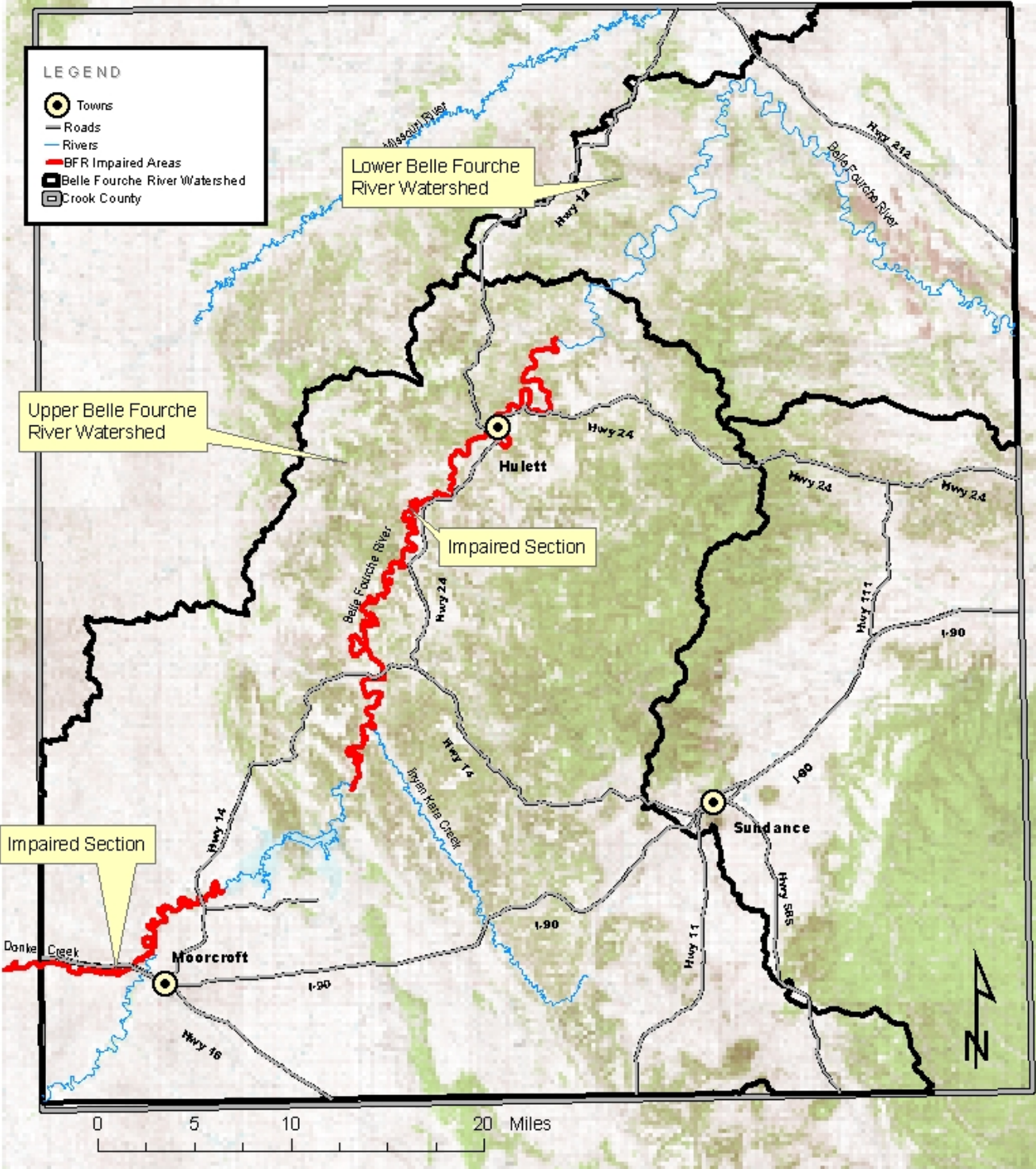
## Evaluating confined livestock operations

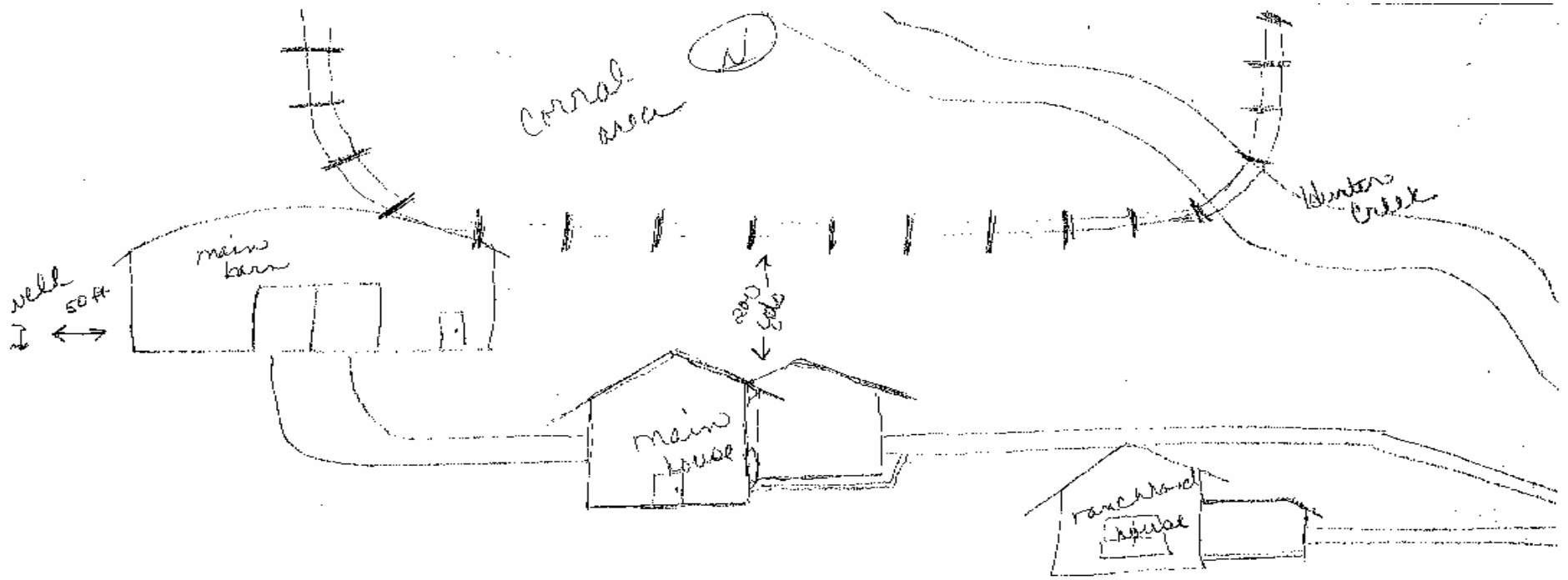
Site Features	Higher Risk	Lower Risk	Indicate with H or L
Are animal liquid and/or solid wastes being applied to crop or hayland?	Animal wastes are not applied or are applied with no nutrient management plan	Animal wastes are applied to cropland with a nutrient management plan	
Is there a vegetative buffer/filter between facilities and surface water?	No buffer, with animals or wastes in contact with surface water	Large and well vegetated buffer between wastes and surface water	
What is the density of vegetation surrounding the confinement area?	Little or no vegetation	Well vegetated	
Does the site have surface water run-off management/diversion?	No run-off management/diversion	Water collection/diversion provided on facilities	
Does surface run-off flow toward drinking water source?	Yes	No	
Do the livestock have direct and constant access to stream in the confined area?	Livestock have fairly constant contact	Livestock have little or no surface water contact	
How are the operation's dead animals disposed of?	In or near surface water	Upland disposal or removal	

After completing the self-assessment and you discover the majority of your responses fall into a high risk category, it is recommended that you seek further assessment assistance by contacting your local Conservation District, Extension Service office, or the USDA Natural Resources Conservation Service. Even if you have marked only a few in the high risk category, it is recommended that you explore options to address the potential risk. **Please remember this evaluation is an attempt at providing guidance for a complex, site-specific situation. It is recommended that you seek additional assistance in evaluating your operation.**

For additional information contact the Wyoming Association of Conservation Districts at: 2505 E. Fox Farm Road, Cheyenne, WY 82007; (307) 632-5716; waocd@trib.com.

# Crook County Belle Fourche River Watershed & Impaired River Sections





← to Antelope, WY  
15 miles

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