

# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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Lower Brule Environmental Program

187 Oyate Circle

Lower Brule, SD 57548

605-473-0153

Website: [lbt-epo.org](http://lbt-epo.org)

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*Unci Maka Hokici*

*"Voices for Mother Earth"*

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# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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**EPO Director – George Honeywell**

**Water Quality Coordinator - DJ Middletent**

**319 Coordinator – Sheldon Fletcher**

**Brownfields TRP Coordinator - Mary Jane Gourneau**

**Solid Waste Program – Director Tim Estes**

**Solid Waster Workers –**

**Aaron Box-Anthony Kennedy**



**August 2018**

The mission of EPA is to protect human health and to safeguard the natural environment --air, water and land--upon which life depends.

# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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Since 1970, EPA has been working for a cleaner, healthier environment for the American people.

## Brownfields Program description

EPA's Brownfield's Program is designed to empower states, communities, and other stakeholders in economic redevelopment to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse Brownfields.

## Brownfields Program Tribal Vision

Contaminated or potentially contaminated sites located in Indian Country are restored to the highest and best use, based upon tribal priorities and available resources. The focus on brownfields revitalization helps instill the concept of environmental protection and reuse and leads to increased benefits in Indian Country.

### Administer and implement the TRP Four Elements.

- 1.) Timely Survey & Inventory of Brownfield Sites.
- 2.) Oversight & Enforcement Authorities or Other mechanisms & Resources.
- 3.) Mechanism & Resources to Provide Meaningful Opportunities for Public Participation.
- 4.) Mechanisms for Approval of a Cleanup Plan & Verification & Certification that Clean-up are Complete and establishment of a Public Record.
  - Develop and approve RFP's.
  - Manage/oversee contracts.
  - Prepare Property Profile Forms.
  - Obtain Training as needed and available.
  - Inspect sites within the exterior boundaries of the Lower Brule Sioux Reservation.
  - Resolve issues, concerns and complaints.
  - Assists and provide technical assistance when necessary to EPA, Tribal Law Enforcement, Tribal Programs and the Tribal Council.
  - Write quarterly, mid and end year reports due to EPA.
  - Maintain Public Record for the Tribal Response Program.

# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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**Old BIA Building**  
(Before & After)

**Old BIA Jail**  
(Before & After)



**Rubble Site**

# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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Old Housing Authority Building



Old Rodeo Dump

Old West Brule Dump



# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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Kids Pond



Old Transfer Station



Old Boys & Girls Club



# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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Old Yellow School Buildings



Old Durkin Curve Site

# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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## LBST TRP Brownfields Inventory List

1. 2004-10 BIA Administration Building
2. 2012-02 Old Housing Office
3. 2011-01 Old BIA Jail
4. Old Diabetic Building(Boxing Club) 1-26-13 Burned Down
5. 2012-01 Old Transfer Station
6. 2004-04 Old West Brule Dump
7. Lagoon Rubble Site/ across from Red Store
8. Sioux Boys-(Gas Tanks)
9. 2004-03 Kids Pond
10. 2000-01 Rodeo Dump
11. Old Shooting Range
12. Old Boys & Girls Club
13. Old Yellow School Buildings

### Rural Area

14. 2004-02 Durkin Dump
15. Durkin Curve House
16. Thompson Site/Fort Hale Bottom



# ATTENTION

The following is a list of what may be deposited at the  
Material Recovery Facility (MRF)

WOOD: Trees, Tree Limbs, Yard Waste, etc.

METALS: Iron, Steel, Rims, Bikes, Bed Frames, etc.

WHITE GOODS: etc. STOVES - REFRIGERATORS-  
WATER HEATERS- FURNACES

OR leave all the big stuff by the curb of your home  
and the Solid Waste workers will pick it up! Please  
don't leave it by the dumpsters or in the dumpsters.

Please throw your garbage in the dumpsters evenly.

THANK YOU FOR YOU COOPERATION!!!!!!

The Solid Waste Crew.

### Environmental Health

Our cultural believes everything is connected. Example our health is connected to the health of the environment through the food we eat, the water we drink and the air we breathe. We need to create conditions in our Environment that are good for our health and the environment! We only have one earth!



# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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The Brownfields Grant/Workplan consists of 8 tasks.

Task 1 Timely survey and inventory of Brownfields sites on tribal land.

- 1.1 Tribal Land Survey
- 1.2 Maintain Brownfields Inventory
- 1.3 Prioritize Sites

Task 2 Oversight and enforcement authorities or other mechanisms and resources.

- 2. Oversight of all sites in the Public Record

Task 3 Mechanisms and resources to provide meaningful opportunities for public participation

- 3.1 Public Meetings
- 3.2 Dissemination of Information
- 3.3 LBST-EPO Website

Task 4 Mechanism for approval of a cleanup plan and verification and certification that cleanup is complete

- 4.1 Mechanism for approval

Task 5 Public Record

- 5.1 Update Public Record
- 5.2 Public Record Accessible

Task 6. Program Enhancement

- 6.1 Trainings
- 6.2 Meetings
- 6.3 Professional Meetings

Task 7 Site-specific Assessment and Cleanup Activities

- 7.1 Phase II Assessment Work
- 7.2 Conduct Assessments
- 7.3 Cleanup of Sites

Three quarterly reports and one Final report are due during the Fiscal Year.

- 1. 1<sup>st</sup> Quarterly Report covers (October-November-December) Due January 31
- 2. 2<sup>nd</sup> Quarterly Report covers (January-February-March) Due April 29
- 3. 3<sup>rd</sup> Quarterly Report covers (April-May-June) Due July 29
- 4. 4<sup>th</sup> Quarterly/Final Report covers (July-August-September) Due October 31

## LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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Please everyone help keep our community clean!



# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

## PUBLIC RECORD

### Lower Brule Sioux Tribe Brownfields/Tribal Response Program (update 9-13-18)

<b>Rodeo Dump 2004-01</b>	<b>Durkin Dump 2004-02</b>	<b>Kids Pond 2004-03</b>
Old Dump Site	Old Dump Site	Old Dump Site
Phase I Sept. 2004 Phase II Sept. 2005 Phase III Nov. 2006 Phase II July 2011	Phase I Sept. 2004 Phase II Sept. 2005 Phase III Nov. 2006 Phase II July 2011	Phase I Sept. 2004 Phase II Sept. 2005 Phase III Nov. 2006 Phase II July 2011
No Action planned at this time.	No Action planned at this time.	No Action planned at this time.
Lower Brule Sioux Tribe	Lower Brule Sioux Tribe	Lower Brule Sioux Tribe
Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 5754	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 5754
44 04' 53"N 99 35'03"W	44 13'20"N, 99 56'31"W	44 04'18"N 99 35'50"W
Section 9,Township 107 N ,Range 73W Lyman County, SD	Section 26T 109N,Range 76W, Stanley County, SD	Section 16 T 107N,Range 73W,Lyman,SD
No institutional controls needed	No institutional controls needed	Yes institutional controls
None This site has been cleaned up.	None	The pond is fenced.
SVOCs-Herbicides-Pesticides- Heavy Metals Total Metals Hydrocarbons	SVOC, TPH	VOCs, Chlorinated Herbicides,
1.00 Acres	0.85 Acres	1.65 Acres

# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

## PUBLIC RECORD

### Lower Brule Sioux Tribe Brownfields/Tribal Response Program

<b>Old West Brule Dump 2004-04</b>	<b>Old BIA Jail 2011-01</b>	<b>Old BIA Admin. Building 2011-02</b>
Old Landfill	Old Building	Old Building
Closed 1996 Capped 2003 Phase I May 2003 Phase II Dec. 2003 Transaction Screen 2013	Phase I October 2011 The Lower Brule Sioux Tribe demolished the building and cleaned up the site.	Phase I October 2011 The Lower Brule Sioux Tribe demolished the building and cleaned up the site.
No Action planned at this time.	Finished	Finished
Lower Brule Sioux Tribe	Lower Brule Sioux Tribe	Lower Brule Sioux Tribe
Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 5754	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 5754	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 5754
44.07836N 99.61294W	44.067900-44°4'4.4 99.578900-99°34'44.0	44.0754 99.5800
T531-2;Track- NW1/4NW1/4NW1/4NE1/4,Sec.17 T107N,R73W, 5 <sup>th</sup> PM Lyman County	T4079-F, lot 5B W Section 14, T107N R73W, Lyman, County, SD	T4079-F, Lot 5B, SW1/4, of SW1/4,NE1/4NW1/4 of Sec. 15, Karl Mundt 1 <sup>st</sup> Addition Township 107 N , Range 73W
Yes institutional controls	No institutional controls needed	No institutional controls needed
Fenced & Signage in place	None	None
Low levels-VOCs, SVOC"S,(soil Only)	Asbestos-lead based paint-	Asbestos-lead based paint
10 acres	1.1 acres	0.4 acre

# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

## PUBLIC RECORD

### Lower Brule Sioux Tribe Brownfields/Tribal Response Program

<b>Old Transfer Station 2012-01</b>	<b>Former Housing Authority 1012-02</b>	<b>Old Diabetic Building 2013-01</b>
Old Building	Old Building	Old Building
Transaction Screen August 2012	Transaction Screen September 2012 Phase II August 2012 Submitted Cleanup Grant December-2014 Grant Approved May 2015 Contractor Selected July 2016 Cleanup Grant Completed September-2017	Transaction Screen April-2013
It is being used presently by the Tribal Construction Company for storage.	Cleanup completed. Site seeded and ready for reuse. September-2017	No Action planned at this time.
Lower Brule Sioux Tribe Owner	Lower Brule Sioux Tribe Owner	Lower Brule Sioux Tribe Owner
Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548
44 4'2"N 99.31'52"W	44 4'24"N(44.0733333) 99 34'42"W (-99.5783334)	44 4 45.9 Sec N 99 35 14.9 Sec. W
Deed #343-T781T781- SW1/4SE1/4SE1/4SE1/4, Sec. 9,T107N,R73W,5PM Lyman County	Deed #343-T4079-F Tract #343-T- 343030; T4030-A & t4079-F- N1/2NW1/2SW1/4SE1/4NW1/4 & N1/2NE1/4NW1/4SW1/4SE1/4NW1/ 4 Sec. 15,T107N,R73W,5PM, Lyman County	T781,NW1/4SW1/4SE1/4SE1/4SE1/4 Sec. 9,T107n,R73W,5PM, Lyman County,
No institutional controls needed	No institutional controls needed	No institutional controls needed
Building is being used by the Lower Brule Construction Co.	The building was torn down thru the cleanup grant. Site has been cleaned up and seeded.	This building burned down 1-26- 2013. The Lower Brule Sioux Tribe Cleaned up the site.
No Testing	Asbestos-Lead-Polychlorinated Biphenyls	Asbestos-Lead-PBCs-Mold
2.50 Acres	0.625 Acres	0.625 Acres



# LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

## PUBLIC RECORD

### Lower Brule Sioux Tribe Brownfields/Tribal Response Program

<b>Old Durkin Curve Site 2014-01</b>	<b>Sioux Boys Gas Station/Suds &amp; Grub 2015-01</b>	<b>Thompson Site/Ft Hale Bottom 2016-01</b>
Old Building	Old gas station (gas tanks)	Old house lot
Transaction Screen August 2014 Phase II July 2015	Transaction Screen May 2015	Limited Phase I/Transaction Screen- February-2016
Apply for a Cleanup Grant 2017	The gas tanks are not being used but the building currently is being used as a Laundromat.	No action planned at this time
Lower Brule Sioux Tribe Owner	Lower Brule Sioux Tribe	Thompson Family
Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548	23561 Fort Hale Bottom Rd. Reliance, SD
44 13'20"N, 99 55'49"W	44.069204, -99.579083	
E1/2NW1/4NW1/4NE1/4,W1/2N E1/4NW1/4NE1/4,Sec.26,T109N, R76W,5PM Stanley County, SD	T4001:NE1/4SW1/4NE1/4SE1/4 Sec. 15, T107N, R73W, 5PM, Lyman County	SW1/4NW1/4NW1/4SE1/4 Sec. 17 T106N, R71W,Lyman County
Yes- institutional controls	No institutional controls needed	No institutional controls
Fenced and gate locked.	No	House was demolished and the basement was covered over with soil
ACM, LBP,Lead,Mercury,Mold, Elevated Metals	Possible gas tank leaks	Zinc phosphide
10 Acres	2.50 Acres	Lot 1000 sq feet

## LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

<b>Old Boys &amp; Girls Club Site 2017-01</b>	<b>Old Yellow School Buildings 2017-02</b>	<b>Old Shooting Range 2018-01</b>
Old Building	Old Buildings	Shooting range
Limited Phase/Transaction Screen -May-2017 Phase II- October-2017	Limited Phase I/Transaction Screen- June-2017 Phase II October 2017	Limited Phase I/Transaction Screen April, 2018
No action planned at this time	No action planned at this time	No action planned at this time
Lower Brule Sioux Tribe Owner	Lower Brule Sioux Tribe Owner	Lower Brule Sioux Tribe Owner
Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548	Lower Brule Sioux Tribe 187 Oyate Circle Lower Brule, SD 57548
44.071914N, -99.577600W	44.071968N, -99.578733W	44 4'11" N, 99 34' 42" W
343 T-4030 SW1/4SE1/4SE1/4NW1/4. Section. 15, Township 107 North Range 73 West, 5PM Lyman County	SE1/4NW1/4sW1/4SE1/4SE1/4 NW1/4 Sec. 15, T107N. R73W, 5P.M., Lyman County SD	343-T4001 SE1/4NE1/4SW1/4SW1/4, Sec. 15, T107N, R73W, Lyman County, SD
	No institutional controls	It is Fenced
Building is empty	Buildings are empty	
asbestos	Asbestos, category I non-friable	Lead
0.2 acres	2.5 Acres	2.5 acres

**Lower Brule Sioux Tribe**  
Environmental Protection Office  
Brownfields Tribal response Program  
187 Oyate Circle  
Lower Brule, South Dakota 57548  
Phone: 1-605-473-0163

September, 2018

It's **Fall Time and maybe a little Winter Time!** It's time to clean the flowers beds and gardens out and get ready for winter.

We are now on our fourth and last quarter of this fiscal year. Like I keep saying time flies!

We did a Lunch & Learn September 27, 2018. Love doing those. Lots of good information to the public, get to visit with people and eat some good food.

Did the survey of the reservation. Checked all my sites. We did a 24 Hazwoper Training here in Lower Brule.

It's up to us to keep our homeland litter free.

Our office is always looking for new sites. If you know of any please let me know.

If you want to know anything about the Brownfields Program or need information about anything such as mold, asbestos, lead or the environmental. The Brownfields Program has a lot of

good stuff posted on our website or stop in and see me at the EPO Office. I would love to visit with

you and show you what we do. Please check out our website [lbst-epo.org](http://lbst-epo.org).

Thank you all for your support of our program.

Brownfields Coordinator Mary Jane Gourneau

## LOWER BRULE ENVIRONMENTAL PROTECTION PROGRAM

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### Did You Know!

1. America's solid waste industry collected and processed more than 61.3 million tons of recyclables in 2009 and more than 20.8 million tons of yard and food waste.
2. The 63.6 billion cans recycled in 2009 alone would make 171 circles around the earth.
3. Glass can be recycled and indefinite number of times and never wears out.
4. Every ton of paper recycled saves more than 3.3 cubic yards of landfill space.
5. If we recycled all the newspapers printed on the U.S. on a typical Sunday, we would save 550,000 trees or about 26 million trees per year.
6. An average kitchen-size bag of trash contains enough energy to light a 100 watt light bulb for more than 24 hours.
7. The average American discards 4.34 pounds of garbage every day.
8. It is the little things citizens do that will make the difference.
9. Old paper can be used to make new insulation, paper towels, tissues, book covers, puzzles, packaging, greeting cards and newsprint.
10. Old aluminum cans become new aluminum cans and siding.
11. Old steel cans are recycled into new appliances and auto parts.
12. Old corrugated boxes can become new cereal boxes and egg cartons.
13. Old plastic bottles can become new carpeting, plastic lumber, toys and fleece clothing.
14. Old tires can be shredded and used for new road paving and playground surfaces.
15. Old glass containers can be used to make new decorative tile and paving material.

### **It will take this long to decompose:**

Aluminum Cans: 550 years (but if recycled it can be used within 6 weeks)

Paper: 2-3 weeks

Cardboard: 4-6 weeks

Plastic bags: 500 years

Plastic beverage bottles: 450 years

Disposable diapers: 500-600 years

Cigarette Butts: 100 years

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Thank you for all your support for our Lower Brule Environmental  
Office.

[www.lbst-epo.org](http://www.lbst-epo.org)

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