

Protecting South Dakota's Tomorrow ... Today

BOARD OF WATER AND NATURAL RESOURCES

May 11, 2016

**DENR Secretary's Conference Room
523 E. Capitol Ave.
Pierre, SD**

2 p.m. CDT

Via Teleconference on Wednesday, May 11, 2016 at 2 p.m. CDT

A limited number of phone lines will be available. Interested parties should contact the Department at (605) 773-4216 by no later than 4 p.m. on Tuesday, May 10th if they wish to participate in the teleconference.

AGENDA

****Scheduled times are estimates only. Some items may be delayed due to prior scheduled items or may be moved up on the agenda.****

May 11, 2016

2 p.m. CDT

1. Call meeting to order
2. Approve agenda
3. Solid Waste Management Program Funding Application —Andy Bruels
 - a) Department of Environment and Natural Resources
4. Adjourn

Notice is given to individuals with disabilities that this meeting is being held in a physically accessible location. Please notify the Department of Environment and Natural Resources at least 48 hours before the meeting if you have a disability for which special arrangements must be made. The telephone number for making arrangements is (605) 773-4216.

May 11, 2016

Item 3

TITLE: Solid Waste Management Program Funding Application

EXPLANATION: The Solid Waste Management Program was established under SDCL 46A-1-83. The Board of Water and Natural Resources may award grant and loan funds for the purpose of solid waste planning and management under the program. ARSD 74:05:10:09 provides that applications for the June funding round are due by April 1.

Due to the need to provide funding in a timely manner for the State of South Dakota's Zika virus response, the Department of Environment and Natural Resources' application will be presented for funding consideration at this meeting. The three remaining applications received by the deadline will be presented at the Board's June 23-24 meeting. There is \$3,294,068 currently available for Solid Waste Management Program awards.

Pursuant to ARSD 75:05:10:11, the Board must make its funding decisions within 120 days after applications are presented.

COMPLETE APPLICATIONS: The application cover sheet and supplemental information has been provided as part of the board packet. A complete application is available online and can be accessed by typing the following address in your internet browser:

<http://denr.sd.gov/bwnrapps/BWNRapps0516.pdf>

If you would like a hard copy of the application, please contact Andy Bruels at (605) 773-4216.



**DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES**

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May 5, 2016

MEMORANDUM

TO: Board of Water and Natural Resources

FROM: Steve Pirner, Department Secretary 
Department of Environment and Natural Resources

RE: Project Narrative for Waste Tire and Other Solid Waste Clean-ups Grant Application

The South Dakota Department of Environment and Natural Resources (DENR) is amending its pending \$250,000 Solid Waste Management Program (SWMP) application. The application request will be increased to \$650,000 with total project costs of \$750,000.

The 2016 Omnibus Bill authorized up to \$250,000 of the Solid Waste Management Program appropriation for DENR waste tire and other solid waste clean-up projects. In addition, the bill authorized these funds to cover 100 percent of project costs.

On April 29, 2016, DENR staff met with Department of Health and Governor's office personnel concerning the spread of Zika virus. The attached provide additional information on the Zika virus threat. Southeastern South Dakota is adjacent to the range of one mosquito species known to carry the Zika virus.

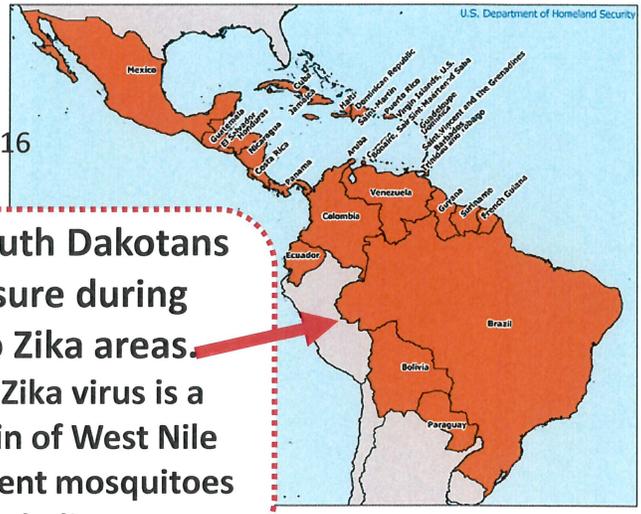
It is known that old tires provide a breeding location for the mosquito species that carries the Zika virus. Based on the known health effects associated with Zika, especially to pregnant women and their unborn children, DENR believes it is prudent to work with the regional landfills in southeastern South Dakota to remove tires from local residents' yards. The Southern Missouri Regional landfill service area (Gregory, Charles Mix, Douglas and Bon Homme counties) and Vermillion landfill service area (Yankton, Clay and Union counties) were identified as the highest priority areas. Funding utilizing the original \$250,000 request at 100 percent would be made available immediately to these two landfills. The tire collection events would begin soon and allow residents in these areas to drop off tires at designated locations for pick-up and final disposal.

The additional \$400,000 of requested funds are required to have a minimum of a 20 percent local match to access the funding, leveraging at least \$500,000. Without special legislative authorization, the maximum SWMP grant is 80 percent of project costs. These funds would be made available to the Sioux Falls, Brookings, Mitchell and Tri-County (Pukwana) regional landfills. Beginning these collection events before the warm summer weather starts and while many residents are doing yard clean-ups will remove more tires that otherwise would be available for mosquito breeding. By providing DENR the grant for this funding, the department can work directly with the landfills to quickly put agreements in place and begin collection events. This will also eliminate the need for each landfill to submit an individual application to the Board and have to wait until after the July 1 application deadline for funds to be made available.

A portion of the additional funds being requested would also be used for school districts to remove old and potentially hazardous chemicals from their science classrooms and labs. DENR would continue to fund these projects with 50 percent cost share up to a maximum of \$10,000 for each school district. This should allow many schools to dispose of chemicals which are of no use to the school without the full financial burden.

Zika virus: assessing the threat to South Dakota

18 April 2016



Risk to South Dakotans is exposure during travel to Zika areas. Although Zika virus is a close cousin of West Nile virus, different mosquitoes carry each disease.

Transmission:

- By bite of *Aedes aegypti* or *Aedes albopictus* mosquito, both tropical mosquitoes, neither found in South Dakota.
- From mother to fetus.
- Sexual transmission: infected male to female, male to male.

Symptoms: 80% no symptoms.

- 20% mild fever, rash, joint pain, red eyes.

Birth defects:

- Microcephaly ≈1% of pregnancies.
- Brain calcifications and atrophy.
- Neurological abnormalities.

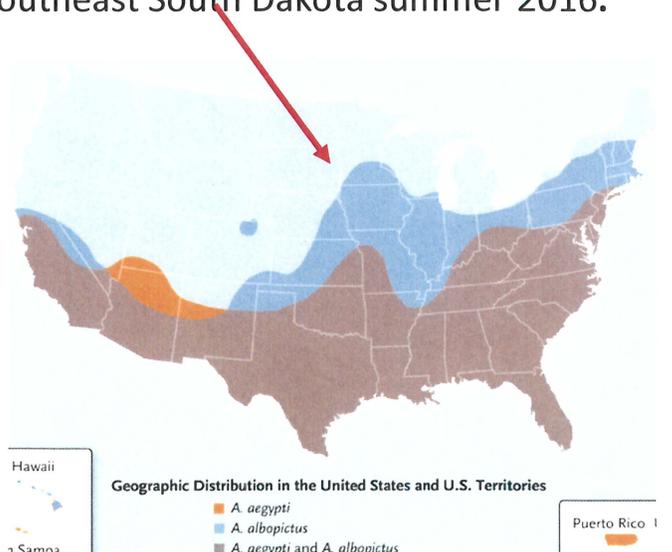


Prevention:

- No vaccination.
- Avoid travel to Zika areas.
- Use mosquito repellent.
- Wear long pants and sleeves.
- SD women who traveled to Zika areas should delay pregnancy 8 weeks.
- SD men who traveled to Zika areas who have pregnant partner: abstinence or condom for duration of pregnancy (virus particles in semen 62 days after symptoms).
- Clean up tires and other water-containing junk in yards and community to eliminate mosquito breeding areas.

What SD Dept of Health is doing:

- Alert physicians, health care workers and general public.
- Offer Zika testing to all symptomatic and asymptomatic pregnant women, and to symptomatic men, non-pregnant women and children who traveled to Zika areas in past 2-12 weeks.
- Establish Zika Pregnancy Registry.
- Most SD communities have some type of mosquito control.
- Zika mosquito vectors not found in South Dakota, however *Albopictus* has been found in neighboring states.
- *Albopictus* mosquito surveillance in southeast South Dakota summer 2016.



Website: doh.sd.gov/diseases/Zika.aspx

CDC website: www.cdc.gov/zika

