



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

June 14, 2010

William Thompson
NorthWestern Energy
40 E. Broadway
Butte, MT 59701

SUBJECT: Review of Remedial Alternatives Evaluation - Aberdeen Manufactured Gas Site.
Department of Environment and Natural Resources File Number 89.009.

Dear Mr. Thompson:

The Department of Environment and Natural Resources has reviewed the *Remedial Alternative Evaluation* report prepared by Arcadis, dated April 2010, for the above referenced site. Based on the information provided in this report and previously provided data, the department agrees Northwestern's selected remedial alternative 2 is appropriate for this site.

Remedial Alternative 2 - Institutional Control with Passive NAPL Recovery and Long-term Groundwater Monitoring is acceptable to the department for the following reasons:

- This alternative provides a means to mitigate the potential for uncontrolled exposure;
- provides long-term monitoring to confirm the stability of the ground water contamination; and
- provides passive recovery of NAPL, which will reduce the potential for further migration of manufactured gas waste impacted material.

In addition to the work performed under this alternative, procedures need to be developed to continue to monitor potential receptors such as sewer lines, storm sewers, other utilities, basements and structures.

The department looks forward to working with NorthWestern Energy and their consultants to work out the details of Remedial Alternative 2. Thank you for your continued cooperation and assistance in protecting the quality of the water resources of South Dakota.

Sincerely,

Kim McIntosh
Environmental Program Scientist
Ground-Water Quality Program
Phone: (605) 773-3296

cc: Scott Meints, Brown County Emergency Manager, 25 Market Street, Aberdeen, SD 57402-4227
Thomas Fischer, Arcadis, 10 South Riverside Plaza, Suite 1900, Chicago, IL, 60606