

**NOTICE OF INTENT TO MODIFY A  
HAZARDOUS WASTE STORAGE AND TREATMENT PERMIT  
FOR ENERGYSOLUTIONS, LLC**

The Tennessee Department of Environment and Conservation's (TDEC) Division of Solid Waste Management (DSWM) proposes to modify a hazardous waste storage and treatment permit for EnergySolutions, LLC (EPA ID Number: TND 98 215 7570, Tennessee Permit Number: TNHW-129) by a Class 3 Modification. EnergySolutions, LLC is located at 1560 Bear Creek Road in Oak Ridge, Roane County, Tennessee, 37830. This action follows the public meeting conducted by the facility on September 12, 2007, as required by Tennessee Rule 1200-01-11-.07(9)(c)5(iii)(IV) and the 60-day (August 4, 2007 through October 2, 2007) comment period as required by Tennessee Rule 1200-01-11-.07(9)(c)5(iii)(V). A few members of the community attended the public meeting, but no comments were received during this 60-day comment period.

EnergySolutions, LLC submitted a Class 3 Permit Modification request to DSWM on August 8, 2007, to add a new storage and treatment unit, P4 RCRA Treatment Building, to its operations. The new unit will have a storage capacity of 33,750 gallons and a treatment capacity of 22,600 cubic feet per day. DSWM proposes to approve the Class 3 Permit Modification.

This permit modification is proposed to be issued under the authority of the Tennessee Hazardous Waste Management Act of 1977, as amended, Tennessee Code Annotated, Section 68-212-101 et seq., and Rule Chapter 1200-01-11, Hazardous Waste Management. A draft permit modification has been prepared based on DSWM's review of the permittee's Class 3 Permit Modification request and is available for public review and comment. A fact sheet summarizing the scope of the modification has also been prepared and is available for public review.

A copy of the draft permit modification, including the fact sheet, is available for public inspection at the following locations: Oak Ridge Public Library, Civic Center, 1401 Oak Ridge Turnpike, Oak Ridge, TN 37830 (865-425-3455); and the Kingston Public Library, 1004 Bradford Way, Kingston, TN 37763 (865-376-9905). These materials are also available for public inspection during normal business hours, 8:00 a.m. to 4:30 p.m., Monday through Friday, except legal holidays, at the following locations: TDEC Knoxville Environmental Field Office, Public Access Area, 3711 Middlebrook Pike, Knoxville, TN 37921 (865-594-6035); and TDEC Nashville Central Office, 5th Floor, L & C Tower, 401 Church Street, Nashville, TN 37243-1535 (615-532-0780).

Any interested person may submit written comments on DSWM's proposal or request a public hearing by contacting: Ms. Angela Ivory; Treatment, Storage and Disposal Section; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, TN 37243-1535; telephone 615-532-9267 or e-mail [Angela.Ivory@tn.gov](mailto:Angela.Ivory@tn.gov). A request for a public hearing must be in writing and must state the nature of the issues proposed to be raised in the hearing. The comments or request for a hearing must be received by 4:30 p.m., April 22, 2011, to assure consideration.

After considering all public comments received, the DSWM Director will issue a final decision and a Response to Comments. When DSWM makes a final decision to either approve or deny the permit modification request, notice will be given to the applicant and each person who has

submitted written comments or requested notice of the final decision. The final decision shall become effective upon signing by the DSWM Director.

TDEC is committed to principals of equal opportunity, equal access, and affirmative action. Contact the EEO/AA Coordinator at 1-888-867-7455 or the ADA Coordinator at 1-866-253-5827 for further information. Hearing impaired callers may use the Tennessee Relay Service (1-800-848-0298).

Persons who wish to be on DSWM's mailing list should request a Mailing List Request form by calling or writing: Public Participation Officer; Division of Solid Waste Management; TDEC; 5th Floor, L & C Tower; 401 Church Street; Nashville, TN 37243-1535 (615-532-0798); or e-mail Solid.Waste@tn.gov.

**NOTICE ISSUED: March 9, 2011**

## FACT SHEET

### **INTENT TO MODIFY A HAZARDOUS WASTE STORAGE AND TREATMENT PERMIT BY A CLASS 3 MODIFICATION**

**Facility Name:** Energy *Solutions* Bear Creek Facility

**Location:** Oak Ridge, Roane County, Tennessee

**EPA ID Number:** TND 98 215 7570

**Permit Number:** TNHW-129

**Facility Owner/Operator:** Energy *Solutions*, LLC  
1560 Bear Creek Road  
Oak Ridge, Tennessee 37830

**Facility Contact:** Ms. Erin Sims-Taylor  
Director of Environmental Affairs  
Energy *Solutions*, LLC  
1560 Bear Creek Road  
P.O. Box 2530  
Oak Ridge, Tennessee 37831  
Telephone: (865) 481-0222

**Comment Period:** Begins: March 9, 2011  
Ends: April 22, 2011

### **FACILITY DESCRIPTION**

Energy *Solutions*, LLC is a commercial processor of low-level radioactive waste. The primary purpose of the facility is to provide waste/brokering services to radioactive waste generators. The facility currently has a hazardous waste permit (TNHW-129) to store mixed (radioactive and hazardous) waste in two units, the Container Storage Pad and the Container Storage Building. The facility has requested a Class 3 Permit Modification to add a new storage and treatment building, P4 RCRA Treatment Building.

### **PURPOSE**

This Fact Sheet is prepared pursuant to Tennessee Rule 1200-01-11-.07(7)(d) for the draft Class 3 Modification developed by the Tennessee Department of Environment and Conservation's (TDEC) Division of Solid Waste Management (Division). The purpose of this permit modification process is to afford any interested persons the opportunity to evaluate the ability of the permittee to apply the applicable hazardous waste management requirements. The Division proposes to issue the Class 3 Permit Modification under the authority of the Tennessee Hazardous Waste Management Act of 1977, as amended, Tennessee Code Annotated, Section 68-212-101 et seq., and Tennessee Rule Chapter 1200-01-11, Hazardous Waste Management. The proposed permit modification is prepared in accordance with the provisions of Tennessee Rule 1200-01-11-.07.

### **PROPOSED PERMIT MODIFICATION**

The proposed Class 3 Permit Modification, if issued, will allow the facility to conduct storage and treatment activities in the P4 RCRA Treatment Building. This unit will have a maximum storage

capacity of 33,750 gallons and a maximum treatment capacity of 22,600 cubic feet per day. Treatment processes will include Macroencapsulation, Waste Sorting and Segregation, Size Reduction, Amalgamation, Chemical Reduction, Deactivation, Neutralization, Stabilization/Solidification, Recovery of Organics, Carbon Adsorption, Chemical Oxidation, and Precipitation. Miscellaneous Units for storage and treatment include an Industrial Vacuum, an Immersion Blender, a Drum Roller, an Aerosol Can Depressurizer, an Alligator Shear, a Shredder, a Vibratory Screen, drum compaction equipment, and manually operated devices and hand tools.

EnergySolutions, LLC submitted a request for a temporary authorization for the Class 3 Modification to its permit on August 8, 2007. Partial temporary authorizations were issued on April 16, 2008; June 25, 2008; and January 26, 2009. Renewal temporary authorizations were issued on October 10, 2008 and December 22, 2008. Extensions to the partial temporary authorizations were issued on June 9, 2009 and October 9, 2009. A final temporary authorization was issued on January 22, 2010 and an extension of the temporary authorization was issued on October 13, 2010.

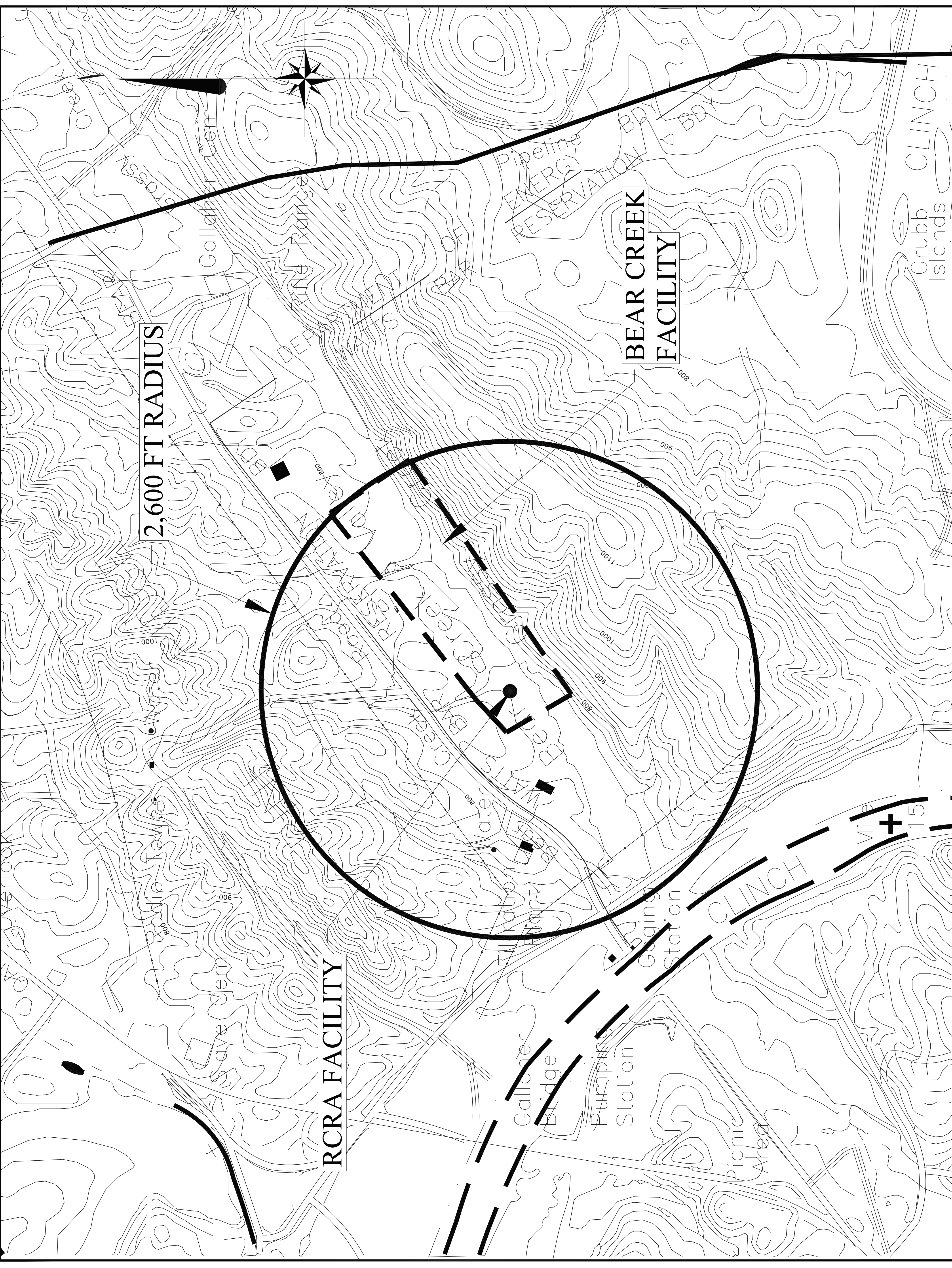
## **COMMENTS**

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All persons, including the applicant, who believe that the tentative decision to approve this permit modification is inappropriate must raise all ascertainable issues and submit all available arguments and factual grounds supporting their position by sending comments or requesting a public hearing to: Ms. Angela Ivory; Treatment, Storage and Disposal Section; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, TN 37243-1535; telephone 615-532-9267 or e-mail [Angela.Ivory@tn.us](mailto:Angela.Ivory@tn.us). Requests for a public hearing must state the nature of the issues proposed to be raised in the hearing. To assure consideration, comments or requests for a public hearing must be received by 4:30 p.m., April 22, 2011.

When the Division makes a final decision to either approve or deny the permit modification request, notice will be given to the applicant and each person who has submitted written comments or requested notice of the final decision. The final decision shall become effective upon signing by the Division Director.

Persons who wish to be on the Division's mailing list should request a Mailing List Request form by calling or writing: Public Participation Officer; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-0798; or e-mail [Solid.Waste@tn.gov](mailto:Solid.Waste@tn.gov).



SOURCE: ELVERTON AND BETHEL VALLEY USGS QUADRANGLE TOPOGRAPHIC MAPS, 1990.