

1.0 PERMIT APPLICATION AND INTRODUCTION

Through the submittal of this application, Powertech (USA) Inc. [Powertech], requests an Area Permit and authorization from the US Environmental Protection Agency (USEPA) to install and operate four to eight non-hazardous Class V disposal wells located at the Dewey-Burdock Project, pursuant to the applicable Underground Injection Control (UIC) regulations. The number of wells is to be determined and is dependent upon well capacity. Powertech requests authorization to inject a total of 300 gallons per minute (gpm) in a maximum of eight Class V disposal wells. These wells are to be located in Custer and Fall River Counties, South Dakota, within the limits of the proposed Class V permit area within the Dewey-Burdock Project boundary. Proposed locations for the first four wells are shown on Figure B-2. The Project is located approximately 13 miles north-northwest of Edgemont, South Dakota, and straddles the area between northern Fall River and southern Custer County line. The project boundary encompasses approximately 10,580 acres (4,282 ha) of mostly private land on either side of County Road 6463 and includes portions of Sections 1-5, 10-12, 14 and 15, Township 7 South, Range 1 East and Sections 20, 21, 27, 28, 29 and 30-35, Township 6 South, Range 1 East. Approximately 240 acres (~2%) (97.1 ha) are under the control of the Bureau of Land Management (BLM) located in portions of Sections 3, 10, 11, and 12. A map identifying the general project location is included as Figure 1.

A completed copy of USEPA UIC 7520-6, "Underground Injection Control Permit Application" for the wells is included in this application, and required attachments to this form are also included in this document. In this application, the initial four planned wells are referred to individually as Dewey-Burdock Disposal Well Nos. 1, 2, 3, and 4, (DW Nos. 1, 2, 3, and 4) or collectively with additional disposal wells as the Dewey-Burdock Disposal Wells. All depths discussed in this application are below ground surface (bgs) unless otherwise noted.

The proposed Powertech facility in South Dakota will operate between four and eight Class V Non-Hazardous Disposal Wells for underground injection of fluids from an in-situ leach (ISL) uranium mining project. Fresh water aquifers in the vicinity of the wells are to be protected by casing and cement. Injected fluids will be delivered to the Minnelusa and Deadwood Formations in separate wells under positive pressure injection through tubing and a packer. The wells are to have one cemented long string protective casing extending into the injection interval. The wellbores are to be perforated completions within the injection interval. The annulus area between the protective casings and injection tubing strings will be filled with inhibited fresh water. Annulus pressure will be continuously monitored to detect any potential leaks in the tubing or casing strings and annulus pressures will be maintained at more than 100 psi above the tubing pressure.

Relevant administrative data regarding the permit are summarized as follows.

Applicant:	Powertech (USA) Inc.
State:	South Dakota
Counties:	Custer and Fall River
Facility Address:	310 2 nd Avenue Edgemont, SD 57735
Mailing Address:	5575 DTC Parkway, Suite 140, Greenwood Village, CO 80111
Location of Planned Wells:	Site 1: NE ¼ of NW ¼ of SW ¼ of Section 2, T7S, R1E DW No. 1: Lat: -103.971938654 Long: 43.469772181 DW No. 2: Lat: -103.971859557 Long: 43.4696483743 Site 2: SE ¼ of NW ¼ of SW ¼ of Section 29, T6S, R1E DW No. 3: Lat: -104.031570321 Long: 43.4971737527 DW No. 4: Lat: -104.031436264 Long: 43.4970792287

Location of Additional Wells:
USEPA ID Nos.:

To be determined
Dewey-Burdock Disposal Well Nos. 1, 2, 3, 4, and additional
wells- TBD

Contact:

Mr. Richard Blubaugh, Vice President

FORM 7520-6

PROPOSED WELLS UIC PERMIT APPLICATION



United States Environmental Protection Agency
**Underground Injection Control
 Permit Application**
 (Collected under the authority of the Safe Drinking
 Water Act. Sections 1421, 1422, 40 CFR 144)

I. EPA ID Number		
	T/A	C
U		

Read Attached Instructions Before Starting
For Official Use Only

Application approved mo day year	Date received mo day year	Permit Number	Well ID	FINDS Number

II. Owner Name and Address			III. Operator Name and Address		
Owner Name Powertech (USA) Inc.			Owner Name Powertech (USA) Inc.		
Street Address 5575 DTC Parkway, Suite 140		Phone Number (303) 790-7528	Street Address 5575 DTC Parkway, Suite 140		Phone Number (303) 790-7528
City Greenwood Village	State CO	ZIP CODE 80111	City Greenwood Village	State CO	ZIP CODE 80111

IV. Commercial Facility	V. Ownership	VI. Legal Contact	VII. SIC Codes
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Private <input type="checkbox"/> Federal <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator	SIC: 1094 NAISC: 212291

VIII. Well Status (Mark "x")			
<input type="checkbox"/> A Operating	Date Started mo day year	<input type="checkbox"/> B. Modification/Conversion	<input checked="" type="checkbox"/> C. Proposed

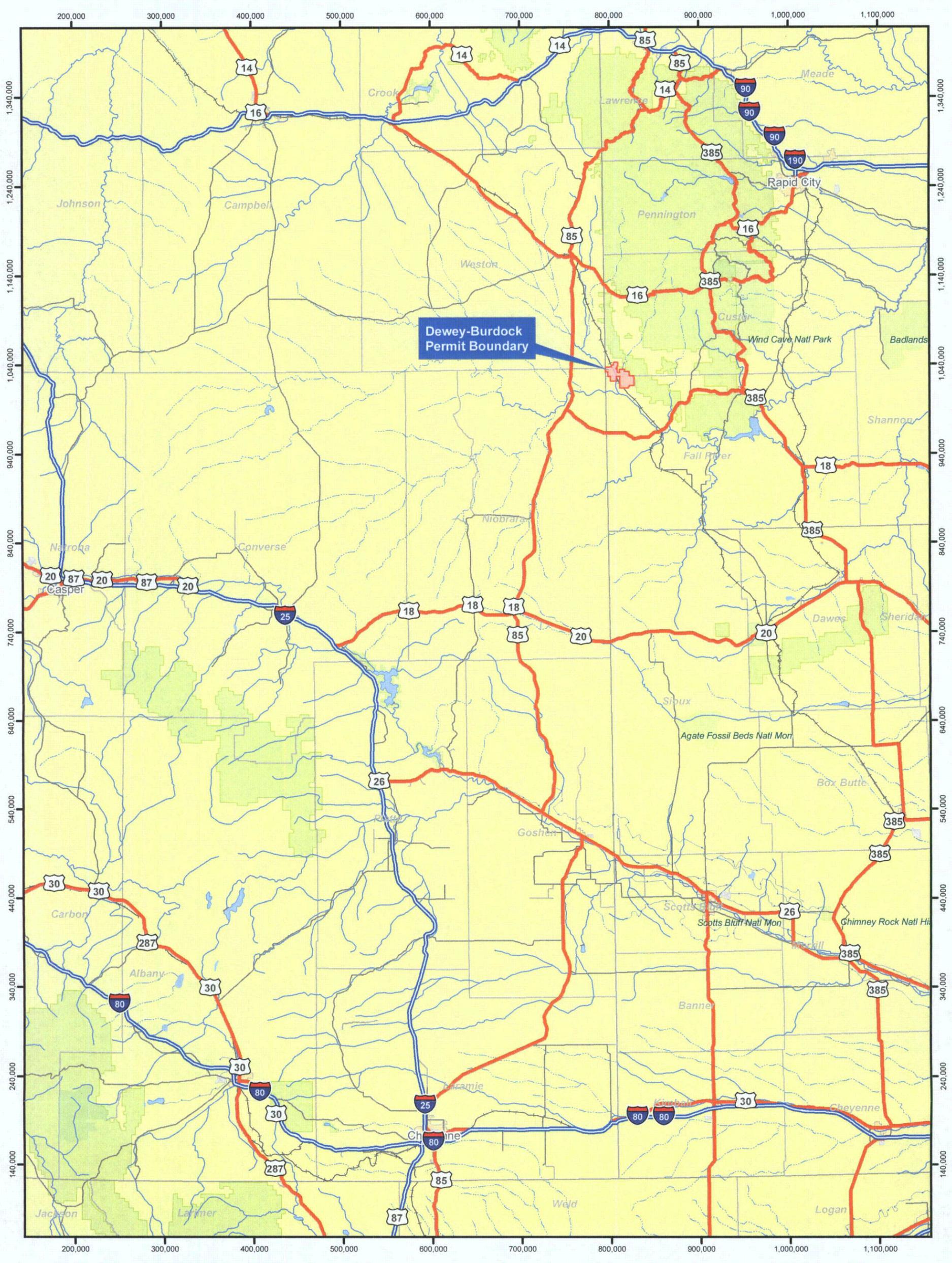
IX. Type of Permit Requested (Mark "x" and specify if required)			
<input type="checkbox"/> A. Individual	<input checked="" type="checkbox"/> B. Area	Number of Existing Wells 0	Number of Proposed Wells 4 - 8
			Name(s) of field(s) or project(s) Dewey-Burdock

X. Class and Type of Well (see reverse)			
A. Class(es) (enter code(s)) Other	B. Type(s) (enter code(s)) N/A	C. If class is "other" or type is code 'x', explain Class V, permitted under 40 CFR 144.12	D. Number of wells per type (if area permit) 4 - 8

XI. Location of Well(s) or Approximate Center of Field or Project													XII. Indian Lands (Mark "x")	
Latitude			Longitude			Township and Range				Feet From	Line	Feet From	Line	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Deg	Min	Sec	Deg	Min	Sec	Sec	Twp	Range	1/4 Sec	Line	Feet From	Line		
103	59	43	43	28	55	34	6S	1E	SW	93.0	W	1403	S	

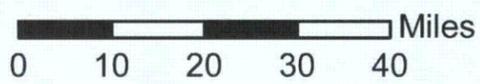
XIII. Attachments
 (Complete the following questions on a separate sheet(s) and number accordingly; see instructions)
 For Classes I, II, III, (and other classes) complete and submit on a separate sheet(s) Attachments A--U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application.

XIV. Certification	
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)	
A. Name and Title (Type or Print) Richard Blubaugh, Vice President - Environmental	B. Phone No. (Area Code and No.) (303) 790-7528
C. Signature	D. Date Signed



Legend

 Dewey-Burdock Permit Boundary



POWERTECH (USA) INC.

**Figure 1
Site Location Map**

2010 Dewey-Burdock Class V Permit

Scale: 1:1,250,000	Date: March 2010
2010_DB_Class_V_Fig_01.mxd	By: JLM Checked: HD

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