



## POWERTECH (USA) INC.

**RICHARD E. BLUBAUGH**  
Vice President – Environmental  
Health and Safety Resources

June 8, 2012

Office of Federal and State Materials and  
Environmental Management Programs  
U.S. Nuclear Regulatory Commission

Two White Flint North  
11545 Rockville Pike  
Mail Stop: T8F05  
Rockville, MD 20852-2738

ATTN: Haimanot Yilma, ER Project Manager

Re: Dewey-Burdock Project, Proposed Operational Facilities with Vegetation Overlay and  
Associated Table

Dear Ms. Yilma:

As discussed recently, I am enclosing herewith two maps and a table addressing your request of May 15, 2012. The two maps show the two different operational options (land application and deep disposal wells) overlain by the vegetation types as found on Plate 3.5-1. The maps do not contain a table showing the proposed disturbance by vegetation type, rather a table addressing both options is included herewith. The maps do not show the archeological sites or the topography in order that the enclosed maps are legible to the reviewer. Please let me know if you need an electronic copy of these maps.

Respectfully yours,

Richard Blubaugh  
Vice President – EH&S Resources

Enclosures

# Dewey-Burdock Project

## Approximate Land Disturbance by Vegetation Community

### Disturbance - Land Application Option

Item	Vegetation Community (% of Total Disturbance)											Totals
	AG	BS	CWG	D	GW	MP	PP	Shale	SS	UG	W	
Site Facilities	0.0%	0.1%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	1.8%
Trunkline Installation	0.0%	0.3%	0.0%	0.0%	0.3%	0.0%	0.2%	0.0%	0.1%	0.4%	0.0%	1.4%
Access Roads	0.0%	0.3%	0.0%	0.0%	0.3%	0.0%	0.1%	0.0%	0.1%	0.4%	0.0%	1.3%
Well Fields	0.0%	1.5%	0.0%	0.0%	3.1%	0.3%	1.4%	0.0%	0.8%	2.6%	0.0%	9.8%
Impoundments	0.0%	0.3%	0.0%	0.0%	4.1%	0.0%	0.1%	0.0%	0.7%	5.9%	0.0%	11.0%
Land Application (Irrigation)	0.0%	13.3%	0.5%	0.0%	47.0%	0.0%	0.0%	0.0%	1.2%	12.7%	0.0%	74.7%
<b>Total</b>	<b>0.0%</b>	<b>15.8%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>55.5%</b>	<b>0.4%</b>	<b>1.9%</b>	<b>0.0%</b>	<b>2.8%</b>	<b>23.1%</b>	<b>0.0%</b>	<b>100.0%</b>

Item	Vegetation Community (Acres Disturbed)											Totals
	AG	BS	CWG	D	GW	MP	PP	Shale	SS	UG	W	
Site Facilities	0	2	0	0	8	0	1	0	0	14	0	24
Trunkline Installation	0	6	0	0	6	0	3	0	2	8	0	25
Access Roads	0	5	0	0	5	1	2	0	1	6	0	21
Well Fields	0	21	0	0	45	5	21	0	11	37	0	140
Impoundments	0	4	0	0	50	0	1	0	8	73	0	136
Land Application (Irrigation)	0	187	6	0	662	0	0	0	17	179	0	1052
<b>Total</b>	<b>0</b>	<b>224</b>	<b>7</b>	<b>0</b>	<b>777</b>	<b>5</b>	<b>28</b>	<b>0</b>	<b>39</b>	<b>317</b>	<b>0</b>	<b>1398</b>

### Disturbance - Deep Disposal Well Option

Item	Vegetation Community (% of Total Disturbance)											Totals
	AG	BS	CWG	D	GW	MP	PP	Shale	SS	UG	W	
Site Facilities	0.0%	0.9%	0.0%	0.0%	3.3%	0.0%	0.3%	0.0%	0.1%	5.9%	0.0%	10.5%
Trunkline Installation	0.0%	1.8%	0.1%	0.0%	2.0%	0.0%	1.1%	0.0%	0.5%	2.6%	0.0%	8.2%
Access Roads	0.0%	2.0%	0.1%	0.0%	2.0%	0.2%	0.8%	0.0%	0.3%	2.3%	0.0%	7.7%
Well Fields	0.0%	8.6%	0.0%	0.0%	18.4%	1.9%	8.5%	0.0%	4.6%	15.3%	0.0%	57.4%
Impoundments	0.0%	0.0%	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	11.5%	0.0%	16.2%
<b>Total</b>	<b>0.0%</b>	<b>13.2%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>30.5%</b>	<b>2.2%</b>	<b>10.7%</b>	<b>0.0%</b>	<b>5.5%</b>	<b>37.7%</b>	<b>0.0%</b>	<b>100.0%</b>

Item	Vegetation Community (Acres Disturbed)											Totals
	AG	BS	CWG	D	GW	MP	PP	Shale	SS	UG	W	
Site Facilities	0	2	0	0	8	0	1	0	0	14	0	24
Trunkline Installation	0	6	0	0	6	0	3	0	2	8	0	25
Access Roads	0	5	0	0	5	1	2	0	1	6	0	21
Well Fields	0	21	0	0	45	5	21	0	11	37	0	140
Impoundments	0	0	0	0	10	0	0	0	0	23	0	33
<b>Total</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>5</b>	<b>27</b>	<b>0</b>	<b>14</b>	<b>89</b>	<b>0</b>	<b>243</b>

### Vegetation Community

Agricultural Grassland	AG
Big Sagebrush Shrubland	BS
Cottonwood Gallery	CWG
Disturbance	D
Greasewood Shrubland	GW
Mine Pit	MP
Ponderosa Pine Woodland	PP
Shale	Shale
Silver Sagebrush Shrubland	SS
Upland Grassland	UG
Water	W