

**Dimarzio Data Request dated 9/21/10**

Subject: Questions on Land Use for SPD

Question: I've attached some questions on the land use data supplied with the Immobilization and PuP-PDC data call responses.

Response: Bishop dated 9/23/10

Land use quantities are reasonable. I did notice in the spread sheet you were annotating Temp Construction. The Construction Entry Control Facility and CSB are Temp Construction as well. The KAC Main Building exist today, not sure why you are adding into this effort.

Response: Reddick dated 9/23/10

See attached documents: (a) Attachment 1 - Land Use Questions and (b) Attachment 2 - PDC Project Buildings

Attachment 1

## Land Use Questions

1. Immobilization – The data call indicates that 2 acres are required for construction/modification but does not name the structures/facilities that require this acreage.
2. Combined PDC and PuP – Acreage for construction and operation do not seem to match.
  - a. Construction – ~~16~~ 13.6 acres newly disturbed from PDC Mission  
~~11.4~~ 10.2 acres project new footprint  
5 acres of project footprint on previously disturbed
  - b. Operation – Land occupied by completed facility  
~~13~~ 13.1 acres of project footprint previously disturbed land  
~~19 acres of new footprint on 26 disturbed acres~~
  - c. The acreage needed for the sandfilter (1.27 acres), fanhouse (0.19 acres), exhaust tunnel (0.43 acres), and stack (0.02 acres) is not provided.

### Questions:

1. Immobilization – Are the 2 acres referred to in the data call needed to perform site preparation and construction for the sandfilter, fanhouse, exhaust tunnel, and stack?
2. Combined PDC and PuP
  - a. What is the total land area needed for construction, i.e., buildings, parking lots (permanent and temporary), and construction laydown? 15.2 acres, 5 acres on previously disturbed ground
  - b. What is the total land needed for operation, i.e., permanent buildings and parking lots. 13.1 acres
  - c. How much of the land needed for construction is disturbed, i.e., it is not in a natural or semi-natural state? 5 acres
  - d. How much of the land needed for operation is disturbed, i.e., it is not in a natural or semi-natural state? 4 acres
  - e. Is the land requirement for the sandfilter, fanhouse, exhaust tunnel, and stack 2 acres? 1.91 acres

## Attachment 2

PDC Project  
Support Buildings

10/4/2010

<u>Bldg Name</u>	Overall Area		Newly Disturbed Footprint		Previously Disturbed Footprint			
	Sq Ft	Acre	Sq Ft	Acre	Sq Ft	Acre		
Project Admin Complex (PAC)	45,000	1.03	45,000	1.03	0	0.00		
Construction Admin Bldg (CAB)	20,000	0.46	20,000	0.46	0	0.00		
Construction Entry Control Facility	10,000	0.23	0	0.00	10,000	0.23		
Craft Support Bldg (CSB)	7,000	0.16	7,000	0.16	0	0.00		
Operations and Engineering Center (OEC)	100,000	2.30	0	0.00	32,000	0.73		
Glovebox Assembly Bldg (GAB)	110,000	2.53	110,000	2.53	0	0.00		
Personnel Support Building	5,760	0.13	5,760	0.13	0	0.00		
Stabilization and Packaging Generator	400	0.01	0	0.00	400	0.01		
Safeguards & Security Generator Bldg	700	0.02	0	0.00	700	0.02		
Compressed Gas Storage	500	0.01	0	0.00	500	0.01		
PDC Project Material Warehouse	0	0.00	0	0.00	0	0.00		
KAC Main Building	170,884	3.92	0	0.00	62,100	1.43		
Waste Staging Building	3,186	0.07	3,186	0.07	0	0.00		
Firewater Tank	5,026	0.12	5,026	0.12	0	0.00		
Firewater Pumphouse	1,583	0.04	1,583	0.04	0	0.00		
New Roadway	50,001	1.15	50,000	1.15	0	0.00		
EOC Parking Lot	110,930	2.55	0	0.00	110,930	2.55		
New Substation	6,961	0.16	6,961	0.16	0	0.00		
New Switchgear Building	2,425	0.06	2,425	0.06	0	0.00		
Diesel Storage	2,546	0.06	2,456	0.06	0	0.00		
Utility Building	23,695	0.54	23,695	0.54	0	0.00		
Cooling Tower	1,588	0.04	1,588	0.04	0	0.00		
GAB Adjacent Parking Lot	64,430	1.48	64,430	1.48	0	0.00		
Nitrogen & Argon Storage	3,994	0.09	3,994	0.09	0	0.00		
Sand Filter	55,328	1.27	55,328	1.27	0	0.00		
Exhaust Tunnel	18,750	0.43	18,750	0.43	0	0.00		
Emergency Generator A	3,200	0.07	3,200	0.07	0	0.00		
Diesel Storage	1,176	0.03	1,176	0.03	0	0.00		
Emergency Generator B	3,200	0.07	3,200	0.07	0	0.00		
Stack	800	0.02	800	0.02	0	0.00		
Fan House	8,184	0.19	8,184	0.19	0	0.00		
		0.00						
	837,247	19.22	443,742	10.19	216,630	4.97		

