

Linton, Ron

From: HARDGROVE Tom (AREVA RESOURCES INC) [tom.hardgrove@areva.com]
Sent: Tuesday, December 15, 2009 6:10 PM
To: Linton, Ron
Subject: Irigaray Wellfield Areas
Attachments: IRIGARAY WELLFIELDS CALCULATED AREAS.pdf

Ron,

As a followup to your question, one of our guys did area calculations using AutoCad to get individual wellfield areas at Irigaray. Attached is that summary. I hand noted for comparison what was in the surety estimate. The calculation done today is less, but it is hard to say how the wellfield limit lines were interpreted many years ago for the surety. Collective differences of 30,000 sq. ft. would not be unreasonable if the earlier limits were liberally drawn. To do the cad estimate he drew straight lines from outer well to the next outer well to the next outer well, etc. until the perimeter was closed for each field. Hope this helps.

Tom

12/15/09

<u>Irigaray Mine Unit</u>	<u>Area Ft²</u>	<u>Area for Surety Est.</u>	<u>Difference</u>
1	108806		
2	99636		
3	43366		
4	91449		
5	150903		
6	246160		
7	221334		
8	78812		
9	205638		
Total Area	1246103		
Total Area Units 1-5	494160	522,720	-28,560
Total Area Units 6-9	751943	784,080	-32,137