From: Ellinger, Scott
To: Brandwein, Sid, NMENV
Cc: King, Laurie; Smith, Melissa
Subject: RE: kml file for NMED
Date: Thursday, March 21, 2013 3:19:27 PM

I haven't seen pathlines between R5 and the plume so far. But I'm using 2012 pumping rates and the models are different in other ways. I just ran the mass transport model with the revised hydraulic conductivity. It's still showing movement towards the east, not R5. Also, look at the Dec 2012 quarterly report, executive summary. It says the plume is moving in a more easterly direction now. Whoever wrote that thinks the plume front is starting to turn east. An easterly turn is what I've been seeing in the mass transport model.

From: Brandwein, Sid, NMENV [mailto:Sid.Brandwein@state.nm.us]
Sent: Thursday, March 21, 2013 12:53 PM
To: Ellinger, Scott
Subject: FW: kml file for NMED

Scott,
Attached is a figure from USGS (see description below) It opens in Google earth.
Let me know if you can't open it.
This is what I was talking about this morning. This seems to imply the plume would head towards Ridgecrest 5 and not Ridgecrest 3. What do you think?
Sid

Attached is a kml file that shows particle backtracks, public supply well locations, potential drilling locations, and a recent version of the EDB plume.

The particles were backtracked from well Ridgecrest #5 starting in 2008, so the paths do not take into account pumping patterns from 2008 to present. Because pumping from 2008 to present is not represented and because of uncertainties in the porosity value used for particle tracking, these particle tracks should be considered a work in progress that will require further refinement.

-Nathan