

Southern California Edison
MESA PTC A.15-03-003

DATA REQUEST SET A1503003 ED-SCE-04

To: ENERGY DIVISION
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Dated: 09/16/2015

Question 06:

Provide air emissions estimates for work associated with decommissioning the groundwater monitoring wells.

Response to Question 06:

Utilizing the information provided by SCE in Data Request #4, the air emissions associated with well decommissioning were estimated using the same methodology as the PEA. The CalEEMod Output files are attached as “Mesa Well Decommissioning – CalEEMod Outputs (9-24-15).pdf”.

To determine whether construction emissions associated with well decommissioning would create significant air quality impacts, maximum daily emissions were quantified and compared to South Coast Air Quality Management District’s (SCAQMD) regional and local criteria pollutant significance thresholds.

A summary of the maximum daily emissions from additional decommissioning activities compared to the SCAQMD’s regional thresholds of significance is presented below:

Peak Daily Maximum from Well Decommissioning Phase						
Phase	VOC	CO	NOX	SOX	PM10	PM2.5
	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)
Peak Daily Maximum from Well Decommissioning	0.47	9.49	8.42	0.02	0.53	0.36
SCAQMD Regional Thresholds of Significance	75	550	100	150	150	55
SCAQMD Localized Thresholds of Significance	n/a	2,613	126	n/a	58	18
Exceeds Threshold?	No	No	No	No	No	No

The well decommissioning phase of the Project alone would not exceed any SCAQMD thresholds of significance.

It is a possibility that the well decommissioning phase of the Project will take place concurrently with the initial phases of the Project. Therefore, the emissions associated with well decommissioning were also analyzed in combination with the 2016 emissions attributed with the

rest of the project, which was previously analyzed in the PEA. The sum of the maximum daily emissions from well decommissioning and the 2016 maximum daily emissions from all other portions of the project (as presented in Table 4.3-8: Regional Peak Daily Controlled Construction Emissions in the PEA) represents worst case maximum daily emissions.

A summary of maximum daily emissions from the total Project, including well decommissioning, is presented below:

Well Decommissioning Phase Plus 2016 Peak Daily Maximum from PEA						
Phase	VOC	CO	NOX	SOX	PM10	PM2.5
	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)
Peak Daily Maximum from Well Decommissioning	0.47	9.49	8.42	0.02	0.53	0.36
2016 Peak Daily Maximum from PEA	36.83	696.05	874.91	1.19	56.67	28.23
Peak Daily Maximum from TOTAL Project	37.30	705.54	883.33	1.21	57.20	28.59
SCAQMD Regional Thresholds of Significance	75	550	100	150	150	55
Exceeds Threshold?	No	Yes	Yes	No	No	No
Note: Shaded cells indicate emissions that exceed the threshold.						

As previously presented in the PEA, the estimated 2016 maximum daily emissions of CO and NO_x during project construction activities are predicted to exceed corresponding SCAQMD regional thresholds of significance. With the addition of well decommissioning activities, the estimated maximum daily emissions would increase, and emissions of CO and NO_x will continue to exceed the SCAQMD regional thresholds of significance. The Significance determinations for the Project, as presented in the PEA would remain the same.