



WESTAR RFP #2014-01

Drill Rig NO₂ Monitoring Study

Bidder Questions from Pre-Proposal Call of June 26, 2014

June 28, 2014

Question 1: Will all equipment brought onto the well pad need to be intrinsically safe? Have the host companies provided any other safety codes or guidelines that the contractor will need to adhere to?

Answer: Each drill rig study site will be unique. We anticipate monitoring rigs in various settings listed as potential geographic locations in the RFP; the exact settings are not yet known. The WESTAR Study Manager and/or WESTAR Project Manager will arrange a meeting(s) for representatives from the drill rig operator, the sponsoring O&G producer company, and the WESTAR field sampling contractor to address the various safety and security issues that are of concern at each site, as well as to confirm operations and schedules of the WESTAR field sampling contractor and the drill rig operator. The drill rig study sites will be in remote locations to minimize the impact of other NO₂ sources, so the WESTAR field sampling contractor should anticipate securing the ambient monitoring equipment. The safety aspects of the WESTAR field sampling contractor's equipment to be deployed on each well pad will be determined with the interested parties listed above. We expect that the safety of equipment in question on the well pad depends on the emission monitoring approach(es) to be proposed in the RFP response and cannot interfere with the drill rig operations. No guidelines from drill rig operators have been proposed or discussed to date.

Question 2: Do you anticipate that the "ambient" monitoring will be conducted on the well pad or will the contractor need to seek access off site for carrying out these measurements?

Answer: Please see the answer to Question 1. The ambient monitoring will need to be generically described in terms of spacing from and configuration around the drill rig in the bid response to the RFP. This portion of the RFP response would address one of the elements of the sampling plan mentioned in the RFP. We do not expect that "ambient" monitors would be deployed on the well pad; monitors on the well pad would be operationally defined as "emissions" monitors. The WESTAR field sampling contractor may have to seek off-site access for the ambient monitoring sites, but we expect that given the rural nature of the drill rig sites to be tested, the ambient sites can be arranged by mutual agreement of the interested parties at the meeting listed in the answer to Question 1.

Question 3: If modifications to engine exhaust piping are required, would the contractor seek permission directly from the drill rig operator or would WESTAR assist with coordinating these modifications?

Answer: Any modifications will be arranged by mutual agreement of the interested parties at the meeting listed in the answer to Question 1; again, please note the expected emission monitoring approach(es) to be proposed in the RFP response. The WESTAR Study Manager and/or WESTAR Project Manager will document these and other decisions from each of those meetings in writing for each drill rig site.