NM OIL CONSERVATION

ARTESIA DISTRICT

District | 1625 N. French Dr., Hobbs, NM 88240 District | 1831 S. First St., Artesia, NM 88210 District | 11 | 1000 Rio Brazos Road, Aztec, NM 87410 District IV | 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources SEP 4 2017

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 REGETVED to appropriate District Office in accordance with 19.15.29 NMAC.

*AMENDED TO INITIAL

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Name of Congany. Agus Sucia LLC. 2465/1/4 Address. PD Box 52 Facility Name ESU #20 Surface Owner Federal Mineral Owner Federal April No. 30-015-05702 Surface Owner Federal Mineral Owner Federal April No. 30-015-05702 LOCATION OF RELEASE Unit Letter Section Township Range Fed from the North/South Line Fed from the EastWest Line (County Chewer Eddy H) Latitude 32. 40 Township 185 NATURE OF RELEASE Type of Release Produced water NATURE OF RELEASE Type of Release Poster Mose on the injection line B. 28-2017 Morning Type of Release Dusted house on the injection line B. 28-2017 Morning Type of Release Dusted house on the injection line B. 28-2017 Morning Type Surface Given? Yes S No Not Required Duster BLM OCD Hotline Describe Cause of Problem and Remedial Action Taken.* An Injection line ruptured on the well and released produced water in the roadway. The leak wao caught early and shut in. The water was picked up and the contaminated off rwap picked up and disposed of. Describe Area Affected and Cleanup Action Taken.* The water was picked up and the contaminated soil was disposed of. Describe Area Affected and Cleanup Action Taken.* The water was picked up and the contamination of the contamination all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger perform to rether the common the environment. The acceptance of a C-141 report floes and releve the operator of limiting or the contamination of the performance of the port of the contamination of the contamination of the performance of the p	DAR17261556Q5	HE HONOR
Telephone No. 575-631-3387 Facility Type Injection Well		
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Operator/Responsible Party,

The OCD has received the form C-141 you provided on 9/4/17 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District II office in Artesia on or before 10/4/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted