

COGIS - Field Inspection Report

API Number: 05-121-08776	Name: CHURCH #2
Location: SENE 25 3S 51W	Lat: 39.766844 Long: -103.031013
Operator #:	Operator Name: CAERUS WASHCO LLC
Inspection Date: 8/18/2011	Inspector: JOHN AXELSON

Inspection was: **Unsatisfactory**

Insp. Type: **ES** Insp. Stat: **PR** Reclamation (Pass, Interim or Fail): P&A (Pass/Fail):
 Brhd. Pressure: Inj. Pressure: T-C Ann. Pressure: UIC Violation Type:
 Violation: **Y** NOAV Sent: **Y** Date Corrective Action Due: **10/31/2011** Date Remedied:

Pit Inspection

Pit Type: **PW** Oil on Pit: Freeboard:
 Number of Pits: **1** Number covered or lined: **0** Number uncovered or unlined: **0**
 Comments: **PORTION OF 1 PRODUCED WATER PIT IS STILL OPEN. OTHER PITS ASSOCIATED WITH LOCATION WERE CLOSED PER APPROVED FORM 27 REM #4301**

Field Inspection Comments and Observations

Insp. Comment	Inspection/Violation Comments
ACTION	IF LANDFARMING IS CONTINUED TO TREAT THE CONTAMINATED SOIL, TREATMENT MUST BE DONE IN ACCORDANCE WITH COGCC RULE 907.E.(2). IF LANDFARMING IS CONTINUED, SUBMIT A STATUS UPDATE REPORT WITH THE DATES THE MATERIAL WAS AERATED, THE TYPE AND QUANTITY OF MICROBES AND NUTRIENTS ADDED, AND SAMPLE RESULTS WITH A SUFFICIENT NUMBER OF REPRESENTATIVE SOIL SAMPLES COLLECTED FROM THE MATERIAL BEING TREATED. NOTIFY COGCC AT LEAST 5-DAYS IN ADVANCE OF SOIL SAMPLE COLLECTION. AN ANNUAL STATUS REPORT WILL BE REQUIRED FOR THE DURATION OF THE PROJECT. IMMEDIATELY REMOVE ALL PLASTIC AND REMAINING DEBRIS FROM THE LANDFARMED MATERIAL AND PROPERLY DISPOSE. CONTROL WEEDS IN PIT COMPLEX AREA. REVEGETATE ALL DISTURBED AREAS IMMEDIATELY NORTH OF THE ONE REMAINING OPEN WATER PIT. CONTROL STORMWATER IN LANDFARM AREA. AS AN ALTERNATIVE - IMMEDIATELY DISPOSE OF ALL REMAINING OILY WASTE AT A PROPERLY PERMITTED SOLID WASTE DISPOSAL FACILITY. DOCUMENT VOLUME AND FINAL DISPOSITION OF CONTAMINATED SOIL. COLLECT CONFIRMATION SOIL SAMPLES FROM NATIVE SOIL BELOW TREATED MATERIAL TO VERIFY NO IMPACT TO UNDERLYING SOIL SINCE PLASTIC WAS SHREDDED. FINISH BACKFILLING OPEN PIT, GRADING AND REVEGETATE ENTIRE DISTURBED AREA. SUBMIT CLOSURE REQUEST WITH DISPOSAL DOCUMENTATION AND CONFIRMATION SAMPLE RESULTS.
GENHOUSE	STILL SOME DEBRIS AND PLASTIC IN LANDFARMED MATERIAL. PLASTIC PREVIOUSLY UNDERLYING PETROLEUM CONTAMINATED SOIL WAS SHREDDED DURING TILLING AND IS DISTRIBUTED THROUGHOUT LANDFARM. DEBRIS IS MOSTLY OLD PIPING.
	INSPECTION PERFORMED IN REGARD TO CLOSURE REQUEST FOR REMEDIATION #4301/NOAV #200191177. LANDFARMED MATERIAL APPEARS TO BE IN SAME CONDITION AS INSPECTED ON 9/28/10

MISC	(REFERENCE DOC #200280265). STILL MUCH OIL CRUSTED MATERIAL AT SURFACE. HAND DUG POTHOLES IN TEN (10) LOCATIONS ACROSS LANDFARM. SEVEN (7) POTHOLES EXHIBITED PETROLEUM ODOR AND STAINING. OIL SATURATED SOIL STILL OBSERVED IN MOST AREAS. COLLECTED THREE DISCRETE GRAB SAMPLES 0-6" IN DEPTH ACROSS LANDFARM. SS-1 LOCATED NEAR MIDDLE OF LANDFARM IN HEAVILY STAINED AREA WAS SATURATED WITH OIL AND EXHIBITED STRONG PETROLEUM ODOR. SS-2 COLLECTED FROM AREA WITH NO STAINING OR PETROLEUM ODOR. SS-3 COLLECTED FROM SOUTHERN PART OF LANDFARM EXHIBITED SOME STAINING AND PETROLEUM ODOR. ANALYTICAL RESULTS FOR ALL THREE SOIL SAMPLES EXCEEDED 500-MG/KG LEVEL FOR TOTAL PETROLEUM HYDROCARBONS.
SURFRH	PIT COMPLEX AREA SURROUNDING ONE REMAINING OPEN PIT HAS BEEN GRADED WITH SOME INVASIVE VEGETATION/WEEDS. LANDFARM AREA IS APPROXIMATELY 110' X 135'.

Church #2 Landfarm - Soil Sample Location Diagram

Date: August 18, 2011

Sample Type: Discrete Grab

Sample Depth: 0 to 6"

COGCC Remediation Project #4301



Sample Locations (NAD 83):

SS-1 N 39.76656
W -103.02914

SS-2 N 39.76647
W -103.02910

SS-3 N 39.76637
W -103.02905

EXECUTIVE SUMMARY - Detections

Client: Colorado Oil&Gas Conservation Commission

Job Number: 280-19343-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-19343-1	CHURCH 2, SS-1					
Gasoline Range Organics (GRO)-C6-C10		130		6.0	mg/Kg	8015B
Diesel Range Organics [C10-C28]		15000		170	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		12000		510	mg/Kg	8015B
Percent Moisture		11		0.10	%	Moisture
280-19343-2	CHURCH 2, SS-2					
Diesel Range Organics [C10-C28]		680		43	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		740		130	mg/Kg	8015B
Percent Moisture		6.6		0.10	%	Moisture
280-19343-3	CHURCH 2, SS-3					
Diesel Range Organics [C10-C28]		7400		86	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		4400		260	mg/Kg	8015B
Percent Moisture		11		0.10	%	Moisture

COGCC Inspection #200319859 – Church #2 (121-08776)
Remediation Project #4301
NOAV #200191177
Inspection Date: 8/18/11



Landfarm area looking east - heavily stained area.



Soil sample SS-1



Soil sample SS-2



Soil sample SS-3



Landfarm area looking north with shredded plastic throughout oily waste.



Remaining open water pit and disturbed area to north.