

ROW Compliance Inspection		Case #: COC 61214 Holder: Maralex Disposal LLC	Project Name: Roan Creek Evaporation Pond
Twn: 8 S Rng: 98 W Sec 36: Qtr: NESE		County: Mesa County State: Colorado	
Inspection Date & Time: 9/27/2018 9:00am			
Inspector: Scott Hall		Office Time:	Total Time:
People/Affiliations at Inspection: COGCC		Steven Arauza	
Existing Conditions? 1.Construction, 2.Operation, 3.Reclamation; Disturbed Area Measurements; Facilities		Site was construction in the 1980's and was used until 2009. Pit has been in noncompliance since 2010 and has not been used since. The site is 285' by 505' and include a 24' x 245' access road and a 100' x 77' site for bioremediation of soils. Facilities include, pit, fence, 300 barrel tank with berm, and leak detection system.	
Conformance with ROW Terms & Conditions? Constructed to Specifications		ROW is not in compliance with the stipulations. ROW expired 8/30/2018.	
All operations within ROW?		There is a berm and drainage feature on the NE side that may be outside the limits of the ROW	
Topsoil? Salvage & Replacement		Approximately 1500 cu yd of material is stockpiled on the NE side of the location. Does not appear to be viable topsoil.	
Seeding?		No evidence of seeding, no vegetation on berms to slow erosion	
Interim Reclamation? Vegetation Types & Success		Most or the berms around the pond show erosional damage, rills, head cutting, soil movement, possibly undercutting the liner.	
Final Reclamation? Recontoured to Original Contour. Vegetation Types & Success.		Not completed	
Noxious Weeds?		Halogeton, Kochia,	
Water Management? Drainage Structures, Ditches, Culverts, Rip-Rap		Drainage feature on NW side channel water around site. Berms are eroding because there is no vegetation to hold soil in place.	
Site Stability? Erosion & Runoff Controlled, Sediment Traps		The berm on the SE side has eroded past the fence and shows lots of erosion. Soils are moving off location.	
Maintenance Needs?		Berms need to be repaired and protected from erosion. Liner has numerous patches and 70 + holes were seen. Large hole in liner.	
Photos & Maps		See Attached	
Other Comments and Additional Actions Necessary: The ROW has expired and will not be renewed. The holder must submit a plan detail the removal of all facilities, and the reclamation and restoration of the site. This should include the testing and disposal of soils, contouring and reseeding of site. A joint inspection must be scheduled with BLM and Maralex to discuss the requirements for an acceptable termination and rehabilitation plan.			
DRAFT February 27, 2009 - Perry		Next Inspection date:	



Photo 1. Sign on gate to facility



Photo 2. Piles of mixed soil and gravel in the former bio-remediation site that must be removed.



Photo 5. 300 barrel storage tank with shallow berm. Can it hold 115% capacity of liquid?



Photo 6. Southwest corner of facility



Photo 7. View of berm, storm water channel and fence along west side of facility



Photo 8. View looking east midway along fence, sheet flow and potential flow under liner.



Photo 9. West side of facility berm showing erosional rills



Photo 10. Looking west from facility, erosion issue on bank of storm water channel.



Photo 11. Northwest corner of pit. Berm eroding and soil piling up at bottom of fence



Photo 12. Stockpile of material ~1500 cu yards. Enough material for reclamation?



Photo 13. Sediment trap located northwest of facility in storm water channel.



Photo 14. View of soil stockpile looking east.



Photo 15. Erosional rills on north side of berm at facility. No vegetation to hold soil in place.



Photo 16. Northeast corner of facility looking west. Erosion occurring along entire berm.



Photo 17. East side of facility looking west. Soil is migrating offsite and into drainage.



Photo 18. View looking east at drainage to Coon Hollow



Photo 19. Erosion and offsite soil migration on east side of facility.



Photo 20. Erosion and offsite soil migration on east side of facility.



Photo 21. Erosion and offsite soil migration on east side of facility.



Photo 22. Erosion and offsite soil migration on east side of facility.



Photo 23. Erosion and offsite soil migration on east side of facility.



Photo 24. Erosion and offsite soil migration on east side of facility.



Photo 25. View of facility looking north, accumulation of salts and soils in pit. Liner torn.



Photo 26. Visible tear in liner on south side of pit.



Photo 27. 300 barrel tank and shallow containment berm



Photo 28. Label on tank.



Photo 29. Tank outlet and lifeline in pit.



Photo 30. View of storm water channel and fence on west side of facility.



Photo 31. View of south side of pit, soil and salt accumulation in pit.



Photo 32. View of central part of pit, soil and salt accumulation in pit.



Photo 33. View of central part of pit, soil and salt accumulation in pit.



Photo 34. Erosion next to 300 bbl tank soils migrating under pit liner.



Photo 35. Erosion of soils under liner near tank liner not keyed into berm sufficiently.



Photo 36. Older patch in liner on west site of pit.



Photo 37. Older patch in liner on west side of pit.



Photo 38. Erosion on berm on west side of pit



Photo 39. Erosion on berm on west side of pit, Halogeton in foreground.



Photo 40. Erosion on berm on west side of pit



Photo 41. Erosion on berm on west side of pit



Photo 42. Erosion on berm on west side of pit



Photo 43. Erosion on berm on west side of pit



Photo 44. Erosion on berm on west side of pit



Photo 45. Erosion on berm on west side of pit, soil migrating offsite.



Photo 46. Erosion on berm on west side of pit, soil migrating offsite.



Photo 47. Erosional rill at northwest corner of pit soil migrating under liner.



Photo 48. Erosional rill at northwest corner of pit soil migrating under liner



Photo 49. Erosion on northwest corner of pit



Photo 50. Visible crack in liner near northwest corner.



Photo 51. Erosional rills along the north side of pit.



Photo 52. Erosional rills along the north side of pit.



Photo 53. Damage to liner along north side of pit



Photo 54. Damage to liner along north side of pit



Photo 55. Damage to liner along north side of pit



Photo 56. Damage to liner along north side of pit



Photo 57. Damage to liner along north side of pit



Photo 58. Damage to liner along north side of pit



Photo 59. Damage to liner along north side of pit

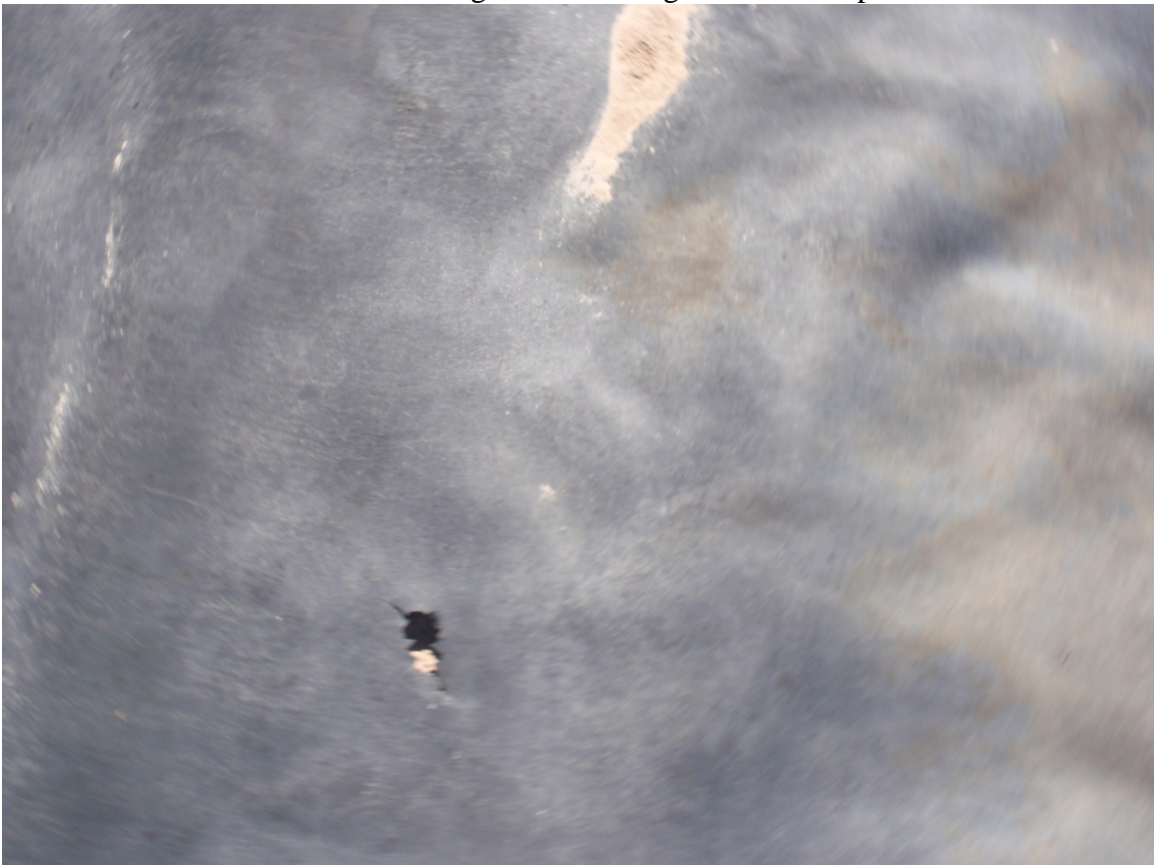


Photo 60. Damage to liner along north side of pit



Photo 61. Damage to liner along north side of pit



Photo 62. Damage to liner along north side of pit



Photo 63. Damage to liner along north side of pit

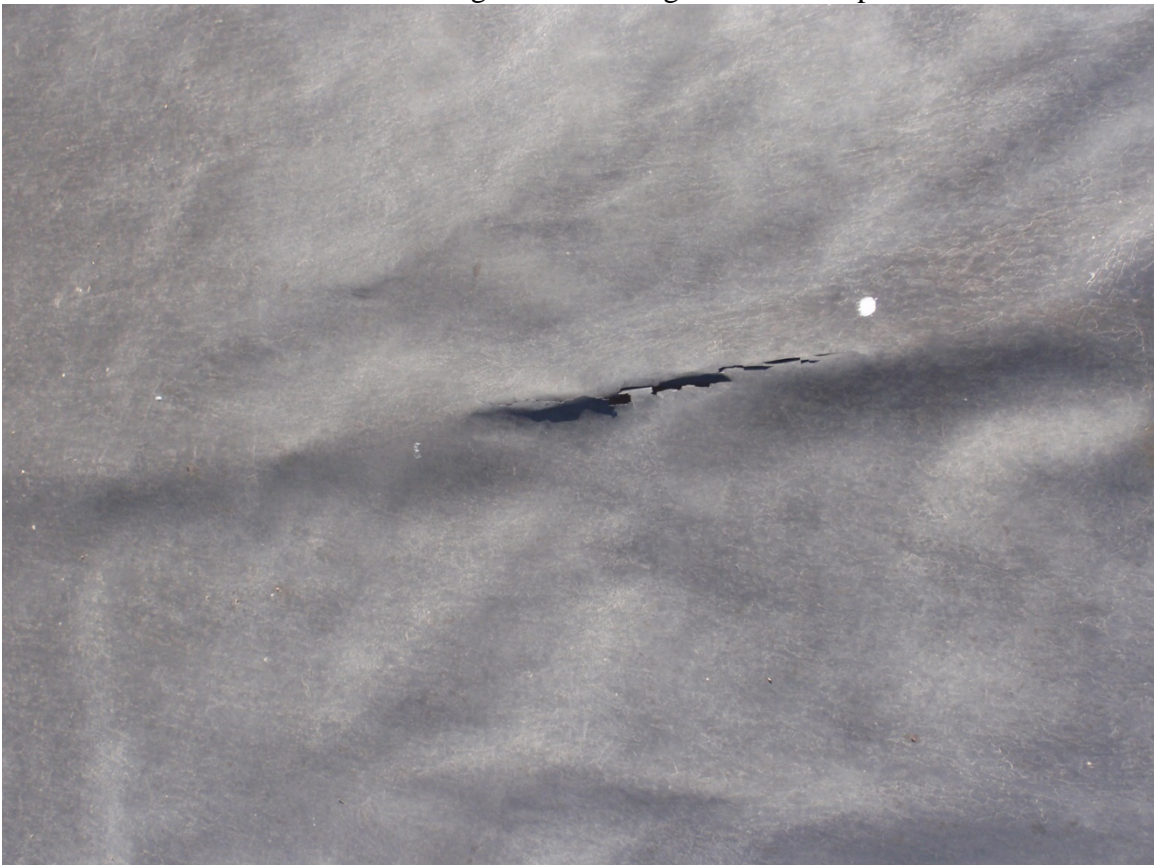


Photo 64. Damage to liner along north side of pit



Photo 65. Damage to liner along north side of pit



Photo 66. Damage to liner along north side of pit



Photo 67. Damage to liner along north side of pit



Photo 68. Damage to liner along north side of pit



Photo 69. Damage to liner along north side of pit



Photo 70. Damage to liner along north side of pit



Photo 70. Damage to liner along north side of pit



Photo 72. Damage to liner along north side of pit



Photo 73. Damage to liner along north side of pit



Photo 74. Damage to liner along north side of pit



Photo 75. Damage to liner along north side of pit



Photo 76. Damage to liner along north side of pit



Photo 77. Damage to liner along north side of pit



Photo 78. Damage to liner along north side of pit



Photo 79. Damage to liner along north side of pit



Photo 80. Damage to liner along north side of pit



Photo 80. Damage to liner along north side of pit



Photo 81. Damage to liner along north side of pit, accumulation of sediment in pit.



Photo 82. Damage to liner along north side of pit, accumulation of sediment in pit



Photo 83. Damage to liner along north side of pit, accumulation of sediment in pit



Photo 84. Large tear in liner at northeast side of pit.



Photo 85. Large tear in liner at northeast side of pit



Photo 86. Large tear in liner at northeast side of pit



Photo 87. Large tear in liner at northeast side of pit



Photo 88. Large tear in liner at northeast side of pit



Photo 89. Damage to liner at northeast corner of pit.



Photo 90. Damage to liner at northeast corner of pit.



Photo 91. Damage to liner at northeast corner of pit.



Photo 92. View looking south along east side of pit.



Photo 93. Accumulation of salts in pit



Photo 94. Accumulation of salts in pit



Photo 95. Repair to fence along north side of facility.



Photo 96. Damage to liner and erosion issues at northeast corner of pit.



Photo 97. Damage to liner at northeast corner of the pit



Photo 98. Damage to liner and erosion issues at northeast corner of pit.



Photo 99. Cover to leak detection system on north side of pit



Photo 100. Leak detection system, no water present



Photo 101. Leak detection system, no water present



Photo 102. Accumulation of sediment and salt in middle of pit.



Photo 103. Erosion an soil migrating on east side of pit.



Photo 104. Small hole in liner on east side of pit



Photo 105. View along east side of pit looking south



Photo 106. Damage to patch in liner near southeast corner



Photo 107. Sediment accumulating in pit possibly from berm erosion



Photo 108. Accumulation of salts in pit



Photo 109. Erosion issue on berm next to 300 bbl tank



Photo 110. View of liner on south side of pit looking west. Two small rills under liner?



Photo 111. Accumulation of sediment in southwest corner of pit.



Photo 112. Accumulation of sediment in southwest corner of pit.



Photo 113. Accumulation of sediment in west side of pit.