

Table 9

MO-1 Groundwater Evaluation*H. C. Drew Estate vs Neumin Production Company and Stokes & Spiehler, Inc.**North Choupique Field**Calcasieu Parish, Louisiana*

Constituents (a)	Initial GW3NDW (b)	DF3 (c)	Final GW3NDW (d)	Water Sol (e)	Limiting MO-1 RS (f)	Compliance Concentration (g)
Total Metals						
Arsenic	0.05	440	22	NA	22	<0.1 [0.0836]
Chromium	960	440	422400	NA	422400	0.299
Lead	0.05	440	22	NA	22	0.124
Water Quality						
Chloride	(h)	-	-	-	-	7200
TDS	(h)	-	-	-	-	905

Notes:

Units in mg/L

< Constituent not detected at or above reporting limit shown.

<# [#] - Reporting limit exceeded maximum concentration. Maximum reported concentration shown in brackets.

- Not applicable

- (a) Constituents shown include those with constituent concentrations above the default GWSS identified for assessment under Management Option 1.
- (b) Initial GW3DW - default RECAP Standard (RS) from Table 3 of RECAP (2003) for Class 3 groundwater that may hypothetically discharge to a downgradient surface water body (i.e., an unnamed stream approximately 2000 ft south-southwest from the former operational area). The site and surrounding water features are located within the estuarine surface water subsegment #031001, designated for recreational uses and not a drinking water source (per LAC 33:IX.1123).
- (c) DF3 - MO-1 default longitudinal Dilution Attenuation Factor for Class 3 groundwater, representative of attenuation of constituent concentrations from the point of compliance (POC) to the nearest potential receiving surface water body (POE). The DF3 values were obtained from Appendix H of RECAP (2003) as a function of x (2000 ft) and Sd (<5 ft).
- (d) Final MO-1 GW3NDW for Class 3 ground water, equal to the initial GW3NDW multiplied by the DF3.
- (e) Groundwater solubility from Table 3 of RECAP (2003).
- (f) The limiting MO-1 RS is the lower of the Final GW3NDW and Water Sol (not applicable for these constituents).
- (g) Maximum groundwater concentrations were used as compliance concentrations for all constituents.
- (h) There are no promulgated standards for chloride and TDS for the applicable subsegment due to naturally elevated salt levels.