

12/9/05
SA

**NPDES PERMIT COMPLIANCE SYSTEM (PCS)
DATA ENTRY SUMMARY SHEET**

AFIN# 70-00040

1. MODIFICATION

FACILITY/PART 1 SCREEN [FAC1]

PERMIT #	(NPID):	2.	AR0000752
FACILITY NAME	(FNML):	3.	El Dorado Chemical Company
MAJOR/MINOR INDICATION	(MADI):	4.	Major
COGNIZANT OFFICIAL	(OFFL):	5.	George Hogg
TELEPHONE	(TELE):	6.	870-863-1400
STANDARD INDUSTRIAL CODE	(SIC2):	7.	2873
PRETREATMENT REQUIRED	(PRET):	8.	
FINAL LIMITS	(FLIM):	9.	
ENGINEER {initials}{	ENGI):	10.	lr
AVERAGE DESIGN FLOW	(FLOW):	11.	MGD

FACILITY/PART 2 SCREEN [FAC2]

RECEIVING WATERS	(RWAT):	12.	Outfalls 001, 002, 003, 004, 005, 006, and 007 - unnamed tributary of Flat Creek
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Outfall 010 - Ouachita River in Segment 2D of the Ouachita River Basin.

FACILITY LATITUDE & LONGITUDE

(FLAT)&(FLON):	13. & 14.	Latitude: 33° 15' 32" Longitude: 92° 41' 12"
TOXICS INDICATOR (RDF2):	15.	
RATING WORKSHEET TOTAL (RDF4):	16.	
STREAM SEGMENT (RDF5):	17.	2D
ADMINISTRATIVE ASSISTANT (RDF8):	18.	

SLUDGE FACILITY DATA SCREEN *[SLPF]

SLUDGE FACILITY INDICATOR (SLIN):	19.	Sludge is accumulating on the bottom of the ponds.
SLUDGE CLASS FACILITY INDICATOR (SLCI):	20.	
SLUDGE RELATED PERMIT NO. (SLID):	21.	
ANNUAL DRY SLUDGE PRODUCT'N(SLPV):	22.	DMT/YR

FACILITY ADDRESS SCREEN *[FACA] -- DMR MAILING ADDRESS --

FACILITY NAME	(NAM):	23.	El Dorado Chemical Company
ADDRESS LINE 1	(-ST1):	24.	P.O. Box 231
ADDRESS LINE 2	(-ST2):	25.	
CITY	(-CTY):	26.	El Dorado
STATE	(-STT):	27.	AR
ZIP	(-ZIP):	28.	71731-0231

FACILITY LOCATION ADDRESS *[FACA]

FACILITY NAME	(RNAM):	29.	El Dorado Chemical Company
ADDRESS LINE 1	(RST1):	30.	P.O. Box 231
ADDRESS LINE 2	(RST2):	31.	
CITY	(RCTY):	32.	El Dorado
STATE	(RSTT):	33.	AR
ZIP	(ZIP):	34.	71731-0231

OWNER/OPERATOR ADDRESS SCREEN *[FACO]

HANDLER NAME	(SNAM):	35.	
ADDRESS LINE 1	(SST1):	36.	
ADDRESS LINE 2	(SST2):	37.	
CITY	(SCTY):	38.	
STATE	(SSTT):	39.	
ZIP	(ZIP):	40.	

COMPLIANCE SCHEDULE SCREEN [CSCH]

The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

Compliance is required on the effective date of the permit.

OUTFALL: 00[1] interim effluent limitations PERMIT # (NPID):: AR0000752

FACILITY NAME (FNML):: El Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]

- OUTFALL TYPE (OUTT): 41.
- TYPE EFFLUENT WASTE (WAST): 42.
- [OFLG] PIPE DESCRIPTION (PIPE): 43. Outfall 001: treated process & contaminated storm water
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON): 44. & 45. Outfall 001: Latitude: ° ' " Longitude: ° ' "
- [OFLT] TREATMENT TYPE CODES (TRET): 46.
- PIPE COMMENTS (PICM): 47. {PCS - See below}
- MONITORING LOCATION (MLOC): 48. from the final treatment unit.
- SLUDGE USE OPTION (SLTP): 49.
- (SLPS) LAND REUSE OPTION (SLLR): 60.
- CROP CLASS (SLCC): 61.
- CROP TYPE (SLCT): 62.

PIPE COMMENTS (PICM):

- 1 Report monthly flow average and daily maximum as MGD (million gallons per day).
- 2 See item #27 of Part IV.
- 3 See Condition No. 16 of Part III (Metals Requirements).
- 4 The NOEC (No Observed Lethal Effect Concentration) is defined as the greatest effluent dilution at and below which lethality that is statistically different from the control (0% effluent) at the 95% confidence level does not occur. Chronic lethal test failure is defined as a demonstration of a statistically significant lethal effect at test completion to a test species at or below the critical dilution.
- 5 See Condition No. 10 of Part III. (WET Limits testing requirements).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2004, and lasting until May 31, 2007, the permittee is authorized to discharge from outfall serial number 001. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements			
	Mass (lbs/day)		Other Units (specify)			
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	continuous (99/99)	record
Total Suspended Solids (TSS) (00530)	462 (26)	692 (26)	30 mg/l (19)	45 mg/l (19)	three/week (03/07)	24-hr composite (24)
Ammonia-Nitrogen (NH3-N) (00610)	265.7 (26)	811.84 (26)	17.3 mg/l (19)	52.8 mg/l (19)	three/week (03/07)	24-hr composite (24)
Nitrate Nitrogen as N (00620)	405.02 (26)	1153.73 (26)	26.3 mg/l (19)	74.9 mg/l (19)	three/week (03/07)	24-hr composite (24)

Dissolved Oxygen (DO) ² (May-October) (November-April) (00300)	N/A N/A	N/A N/A	4.0, Min. 5.0, Min. (19) MIN	Report ug/l (19)	Report ug/l (19)	three/week three/week (03/07)	Grab Grab (GR)
Total Recoverable Copper ³ (01119)	Report (26)	Report (26)	Report ug/l (19)	Report ug/l (19)	Report ug/l (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Selenium ³ (00981)	Report (26)	Report (26)	Report ug/l (19)	Report ug/l (19)	Report ug/l (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Zinc ³ (01094)	Report (26)	Report (26)	Report ug/l (19)	Report ug/l (19)	Report ug/l (19)	once/month (01/30)	24-hr composite (24)
Sulfates (81020)	Report (26)	Report (26)	Report (19)	Report (19)	Report (19)	once/month (01/30)	24-hr composite (24)
Chlorides (00940)	Report (26)	Report (26)	Report (19)	Report (19)	Report (19)	once/month (01/30)	24-hr composite (24)
Total Dissolved Solids (TDS) (70295)	Report (26)	Report (26)	Report (19)	Report (19)	Report (19)	once/month (01/30)	24-hr composite (24)
Temperature Instantaneous Max. (00011)	N/A (26)	N/A (26)	N/A (15)	86°F (15)	86°F (15)	three/week (03/07)	in-situ
pH (00400)	N/A	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	9 s. u. (12) MAX	continuous (99/99)	Grab (GR)
Chronic Biomonitoring **	N/A	N/A	N/A	N/A	N/A	once/quarter (01/90)	24-hr. composite (24)
<u>Pimephales promelas (Chronic)</u> Pass/Fail Growth (7-day NOEC) TGP6C Pass/Fail Lethality (7-day NOEC) TLP6C	N/A	N/A	7-day Average Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) (9A)	7-day Average Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) (9A)	7-day Average Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) (9A)	once/quarter once/quarter (01/90)	24-hr. composite 24-hr. composite (24)
Survival (7-day NOEC) TOP6C Coefficient of Variation TQP6C Growth (7-day NOEC) TPP6C	N/A	N/A	Report % Report % Report % (23)	Report % Report % Report % (23)	Report % Report % Report % (23)	once/quarter once/quarter once/quarter (01/90)	24-hr. composite 24-hr. composite 24-hr. composite (24)
<u>Ceriodaphnia dubia (Chronic)</u> Pass/Fail Growth (7-day NOEC) TGP3B Pass/Fail Lethality (7-day NOEC) TLP3B	N/A	N/A	7-day Average Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) (9A)	7-day Average Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) (9A)	7-day Average Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) (9A)	once/quarter once/quarter (01/90)	24-hr. composite 24-hr. composite (24)

Survival (7-day NOEC) **TOP3B**
Coefficient of Variation **TQP3B**
Reproduction (7-day NOEC) **TPP3B**

Report %
Report %
Report %
(23)

once/quarter
once/quarter
once/quarter
(01/90)

24-hr. composite
24-hr. composite
24-hr. composite
(24)

Whole Effluent Toxicity
(7-day NOEC) **22414**

Daily Average Minimum
not < **100** %
(23)

7-day Minimum
not < **100** %
(23)

once/month
(01/30)

24-hr composite
(24)

OUTFALL: 00[1] final effluent limitations

PERMIT # (NPID):: AR0000752

FACILITY NAME (FNML):: El Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]

- OUTFALL TYPE (OUTT): 41.
- TYPE EFFLUENT WASTE (WAST): 42.
- [OFLG] PIPE DESCRIPTION (PIPE): 43. Outfall 001: treated process & contaminated storm water
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON):
- [OFLT] TREATMENT TYPE CODES (TRET): 44. & 45. Outfall 001: Latitude: ° ' ' ' Longitude: ° ' ' '
- PIPE COMMENTS (PICM): 46. {PCS - See below}
- MONITORING LOCATION (MLOC) 47. from the final treatment unit.
- SLUDGE USE OPTION (SLTP): 48.
- (SLPS) LAND REUSE OPTION (SLLR): 59.
- CROP CLASS (SLCC): 60.
- CROP TYPE (SLCT): 61.
- 62.

PIPE COMMENTS (PICM):

- 1 Report monthly flow average and daily maximum as MGD (million gallons per day).
- 2 See item #27 of Part IV.
- 3 See Condition No. 16 of Part III (Metals Requirements).
- 4 The NOEC (No Observed Lethal Effect Concentration) is defined as the greatest effluent dilution at and below which lethality that is statistically different from the control (0% effluent) at the 95% confidence level does not occur. Chronic lethal test failure is defined as a demonstration of a statistically significant lethal effect at test completion to a test species at or below the critical dilution.
- 5 See Condition No. 10 of Part III. (WET Limits testing requirements).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2007, and lasting until the date of expiration, the permittee is authorized to discharge from outfall serial number 001. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic

Discharge Limitations

Monitoring Requirements

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)
Total Suspended Solids (TSS) (00530)	462 (26)	692 (26)	30 mg/l (19)	45 mg/l (19)
Ammonia-Nitrogen (NH3-N) (00610)	265.7 (26)	811.84 (26)	12 mg/l (19)	18 mg/l (19)
Nitrate Nitrogen as N (00620)	405.02 (26)	1153.73 (26)	26.3 mg/l (19)	74.9 mg/l (19)
			continuous (99/99)	continuous (99/99)
			three/week (03/07)	three/week (03/07)
			three/week (03/07)	three/week (03/07)
			three/week (03/07)	three/week (03/07)
			24-hr composite (24)	24-hr composite (24)
			24-hr composite (24)	24-hr composite (24)
			24-hr composite (24)	24-hr composite (24)

Dissolved Oxygen (DO) ² (May-October) (November-April) (00300)	N/A N/A	N/A N/A	4.0, Min. 5.0, Min. (19) MIN	three/week three/week (03/07)	Grab Grab (GR)
Total Recoverable Copper ³ (01119)	0.19 (26)	0.38 (26)	12.2 ug/l (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Selenium ³ (00981)	0.09 (26)	0.17 (26)	5.58 ug/l (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Zinc ³ (01094)	1.78 (26)	3.57 (26)	115.62 ug/l (19)	once/month (01/30)	24-hr composite (24)
Sulfates (81020)	Report (26)	Report (26)	81 mg/l (19)	once/month (01/30)	24-hr composite (24)
Chlorides (00940)	Report (26)	Report (26)	38 mg/l (19)	once/month (01/30)	24-hr composite (24)
Total Dissolved Solids (TDS) (70295)	Report (26)	Report (26)	237 mg/l (19)	once/month (01/30)	24-hr composite (24)
Temperature Instantaneous Max. (00011)	N/A (26)	N/A (26)	N/A (15)	three/week (03/07)	in-situ
pH (00400)	N/A	N/A	6 s. u. (12) MIN	continuous (99/99)	Grab (GR)
Chronic Biomonitoring **	N/A	N/A	N/A	once/quarter (01/90)	24-hr. composite (24)
<u>Pimephales promelas (Chronic)</u> Pass/Fail Growth (7-day NOEC) TGP6C Pass/Fail Lethality (7-day NOEC) TLP6C			7-day Average Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) (9A)	once/quarter once/quarter (01/90)	24-hr. composite 24-hr. composite (24)
Survival (7-day NOEC) TOP6C Coefficient of Variation TQP6C Growth (7-day NOEC) TPP6C			Report % Report % Report % (23)	once/quarter once/quarter once/quarter (01/90)	24-hr. composite 24-hr. composite 24-hr. composite (24)
<u>Ceriodaphnia dubia (Chronic)</u> Pass/Fail Growth (7-day NOEC) TGP3B Pass/Fail Lethality (7-day NOEC) TLP3B			7-day Average Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) (9A)	once/quarter once/quarter (01/90)	24-hr. composite 24-hr. composite (24)

Survival (7-day NOEC) **TOP3B**
Coefficient of Variation **TQP3B**
Reproduction (7-day NOEC) **TPP3B**

Report %
Report %
Report %
(23)

once/quarter
once/quarter
once/quarter
(01/90)

24-hr. composite
24-hr. composite
24-hr. composite
(24)

WholeEffluent Toxicity
(7-day NOEC) **22414**

Daily Average Minimum
not < **100** %
(23)

7-day Minimum
not < **100** %
(23)

once/month
(01/30)

24-hr composite
(24)

PERMIT # (NPID):: AR0000752

OUTFALL: 00[2] interim effluent limitations

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]

- OUTFALL TYPE (OUTT): 41.
- TYPE EFFLUENT WASTE (WAST): 42.
- [OFLG] PIPE DESCRIPTION (PIPE): 22
Outfall 002: treated process & contaminated storm water
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON): 44. & 45. Outfall 002: Latitude: 33 ° 09 ' 55 " Longitude: 92 ° 24 ' 40 "
- [OFLT] TREATMENT TYPE CODES (TRET): 46.
- PIPE COMMENTS (PICM): 47. {PCS - See below}
- MONITORING LOCATION (MLOC) 48. from the final treatment unit.
- SLUDGE USE OPTION (SLTP): 59.
- (SLPS) LAND REUSE OPTION (SLLR): 60.
- CROP CLASS (SLCC): 61.
- CROP TYPE (SLCT): 62.

PIPE COMMENTS (PICM):

- 1 Report monthly flow average and daily maximum as MGD (million gallons per day).
- 2 See Condition No. 16 of Part III (Metals Requirements).
- 3 See Condition No. 12 of Part III (Acute Biomonitoring Requirements).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2004, and lasting until May 31, 2007, the permittee is authorized to discharge from outfall serial number 002. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements		Sample Type
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	estimate
Total Suspended Solids (TSS) (00530)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)
Ammonia-Nitrogen (NH3-N) (00610)	265.7 (26)	811.84 (26)	17.3 mg/l (19)	52.9 mg/l (19)	grab (GR)
Nitrate Nitrogen as N (00620)	405.02 (26)	1153.73 (26)	26.3 mg/l (19)	74.9 mg/l (19)	grab (GR)
Total Recoverable Copper ² (01119)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	24-hr composite (24)
Total Recoverable Lead ² (01051)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	24-hr composite (24)

Total Recoverable Selenium ² (00981)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Zinc ² (01094)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	once/month (01/30)	24-hr composite (24)
Sulfates (81020)	N/A (26)	N/A (26)	Report (19)	Report (19)	once/month (01/30)	grab (GR)
Total Dissolved Solids (TDS) (70295)	N/A (26)	N/A (26)	Report (19)	Report (19)	once/month (01/30)	grab (GR)
Oil & Grease (O&G) (00556)	N/A (26)	N/A (26)	10 mg/l (19)	15 mg/l (19)	once/day (01/01)	grab (GR)
pH (00400)	N/A	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	once/day (01/01)	Grab (GR)
Acute Biomonitoring ¹	N/A	N/A	N/A	N/A	Once/quarter	24-hr composite
Pimephales promelas (Acute) Pass/Fail Lethality (48-Hr NOEC) TEM6C	N/A	N/A	48-hr Minimum Report (Pass=0/Fail=1) (9A)	48-hr Minimum Report (Pass=0/Fail=1) (9A)	Once/quarter (01/90)	24-hr composite (24)
Survival (48-Hr NOEC) TOM6C Coefficient of Variation (48-Hr NOEC) TQM6c			Report % Report % (23)	Report % Report % (23)	Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)
Daphnia pulex (Acute) Pass/Fail Lethality (48-Hr NOEC) TEM3D			48-hr Minimum Report (Pass=0/Fail=1) (9A)	48-hr Minimum Report (Pass=0/Fail=1) (9A)	Once/quarter (01/90)	24-hr composite (24)
Survival (48-Hr NOEC) TOM3D Coefficient of Variation (48-Hr NOEC) TQM3D			Report % Report % (23)	Report % Report % (23)	Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]

- OUTFALL TYPE (OUTT): 41.
- TYPE EFFLUENT WASTE (WAST): 42.
- [OFLG] PIPE DESCRIPTION (PIPE): 43. 22 Outfall 002: treated process & contaminated storm water
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON): 44. & 45. Outfall 002: Latitude: 33 ° 09 ' 55 " Longitude: 92 ° 24 ' 40 "
- [OFLT] TREATMENT TYPE CODES (TRET): 46.
- PIPE COMMENTS (PICM): 47. {PCS - See below}
- MONITORING LOCATION (MLOC) 48. from the final treatment unit.
- SLUDGE USE OPTION (SLTP): 59.
- (SLPS) LAND REUSE OPTION (SLLR): 60.
- CROP CLASS (SLCC): 61.
- CROP TYPE (SLCT): 62.

PIPE COMMENTS (PICM):

- 1. Report monthly flow average and daily maximum as MGD (million gallons per day).
- 2. See Condition No. 16 of Part III (Metals Requirements).
- 3. See Condition No. 12 of Part III (Acute Biomonitoring Requirements).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2007, date and lasting through date of expiration, the permittee is authorized to discharge from outfall serial number 002. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements		Sample Type
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	estimate
Total Suspended Solids (TSS) (00530)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)
Ammonia-Nitrogen (NH3-N) (00610)	265.7 (26)	811.84 (26)	12 mg/l (19)	18 mg/l (19)	grab (GR)
Nitrate Nitrogen as N (00620)	405.02 (26)	1153.73 (26)	26.3 mg/l (19)	74.9 mg/l (19)	grab (GR)
Total Recoverable Copper ² (01119)	N/A (26)	N/A (26)	12.2 ug/l (19)	24.48 ug/l (19)	24-hr composite (24)
Total Recoverable Lead ² (01051)	N/A (26)	N/A (26)	3.8 ug/l (19)	7.62 ug/l (19)	24-hr composite (24)

Total Recoverable Selenium ² (00981)	N/A (26)	N/A (26)	5.58 ug/l (19)	11.2 ug/l (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Zinc ² (01094)	N/A (26)	N/A (26)	115.62 ug/l (19)	231.99 ug/l (19)	once/month (01/30)	24-hr composite (24)
Sulfates (81020)	N/A (26)	N/A (26)	250 mg/l (19)	375 mg/l (19)	once/month (01/30)	grab (GR)
Total Dissolved Solids (TDS) (70295)	N/A (26)	N/A (26)	500 mg/l (19)	750 mg/l (19)	once/month (01/30)	grab (GR)
Oil & Grease (O&G) (00556)	N/A (26)	N/A (26)	10 mg/l (19)	15 mg/l (19)	once/day (01/01)	grab (GR)
pH (00400)	N/A	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	once/day (01/01)	Grab (GR)
Acute Biomonitoring ¹	N/A	N/A	N/A	N/A	Once/quarter	24-hr composite
<u>Pimephales promelas (Acute)</u> Pass/Fail Lethality (48-Hr NOEC) TEM6C			48-hr Minimum Report (Pass=0/Fail=1) (9A)		Once/quarter (01/90)	24-hr composite (24)
Survival (48-Hr NOEC) TOM6C Coefficient of Variation (48-Hr NOEC) TQM6c			Report % Report % (23)		Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)
<u>Daphnia pulex (Acute)</u> Pass/Fail Lethality (48-Hr NOEC) TEM3D			48-hr Minimum Report (Pass=0/Fail=1) (9A)		Once/quarter (01/90)	24-hr composite (24)
Survival (48-Hr NOEC) TOM3D Coefficient of Variation (48-Hr NOEC) TQM3D			Report % Report % (23)		Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)

OUTFALL: 00[3] interim effluent limitations PERMIT # (NPID):: AR0000752

FACILITY NAME (FNML):: El Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]

- OUTFALL TYPE **41.** (OUTT):
- TYPE EFFLUENT WASTE **42.** (WAST):
- [OFLG] PIPE DESCRIPTION **43.** (PIPE):
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON):
- [OFLT] TREATMENT TYPE CODES **44. & 45.** Outfall 003: Latitude: 33 ° 15 ' 38 " Longitude: 92 ° 41 ' 07 "
- PIPE COMMENTS **46.** (TRET):
- MONITORING LOCATION **47.** (PICM):
- SLUDGE USE OPTION **48.** (MLOC)
- (SLPS) LAND REUSE OPTION **59.** (SLTP):
- CROP CLASS **60.** (SLLR):
- CROP TYPE **61.** (SLCC):
- 62.** (SLCT):

PIPE COMMENTS (PICM):

1 Report monthly flow average and daily maximum as MGD (million gallons per day).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2004 and lasting until May 31, 2007, the permittee is authorized to discharge from outfall serial number 003. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements		Sample Type
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	estimate
Carbonaceous Biochemical Oxygen Demand (CBOD5) (00340)	3.5 (26)	5.4 (26)	25 mg/l (19)	38 mg/ (19)	grab (GR)
Total Suspended Solids (TSS) (00530)	4.3 (26)	6.4 (26)	30 mg/l (19)	45 mg/l (19)	grab (GR)
Ammonia-Nitrogen (NH3-N) (May-Oct) (Nov-April) (00610)	1.4 2.1 (26)	2.1 3.3 (26)	10 mg/l 15 mg/l (19)	15 mg/l 23 mg/l (19)	grab grab (GR)
Fecal Coliform Bacteria (74055)	N/A (26)	N/A (26)	1000 (19)	2000 (19)	grab (GR)
pH (00400)	N/A	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	Grab (GR)

{PCS - See below}
from the final treatment unit.

OUTFALL: 00[3] final effluent limitations PERMIT # (NPID):: AR0000752

FACILITY NAME (FNML):: El Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPs]

- OUTFALL TYPE (OUTT): **41.**
- TYPE EFFLUENT WASTE (WAST): **42.**
- [OFLG] PIPE DESCRIPTION (PIPE): **43.** Outfall 003: treated process & contaminated storm water
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON): **44. & 45.** Outfall 003: Latitude: 33 ° 15 ' 38 " Longitude: 92 ° 41 ' 07 "
- [OFLT] TREATMENT TYPE CODES (TRET): **46.**
- PIPE COMMENTS (PICM): **47.** {PCS - See below}
- MONITORING LOCATION (MLOC): **48.** from the final treatment unit.
- SLUDGE USE OPTION (SLTP): **59.**
- (SLPS) LAND REUSE OPTION (SLLR): **60.**
- CROP CLASS (SLCC): **61.**
- CROP TYPE (SLCT): **62.**

PIPE COMMENTS (PICM):

¹ Report monthly flow average and daily maximum as MGD (million gallons per day).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2007 and lasting until the date of expiration, the permittee is authorized to discharge from outfall serial number 003. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements		Sample Type
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	estimate
Carbonaceous Biochemical Oxygen Demand (CBOD5) (00340)	1.4 (26)	2.1 (26)	10 mg/l (19)	15 mg/ (19)	grab (GR)
Total Suspended Solids (TSS) (00530)	2.1 (26)	3.3 (26)	15 mg/l (19)	23 mg/l (19)	grab (GR)
Ammonia-Nitrogen (NH3-N) (May-Oct) (Nov-April) (00610)	0.7 1.4 (26)	1.1 2.1 (26)	5 mg/l 10 mg/l (19)	7.5 mg/l 2.1 mg/l (19)	grab grab (GR)
Fecal Coliform Bacteria (74055)	N/A (26)	N/A (26)	1000 (19)	2000 (19)	grab (GR)
pH (00400)	N/A	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	Grab (GR)

OUTFALL: 00[4] interim effluent limitations PERMIT # (NPID):: AR0000752

FACILITY NAME (FNML):: El Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG,OFLT,LIMS,SLPS]

- OUTFALL TYPE (OUTT): **41.**
- TYPE EFFLUENT WASTE (WAST): **42.**
- [OFLG] PIPE DESCRIPTION (PIPE): **43.** Outfall 004: treated process & contaminated storm water
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON): **44. & 45.** Outfall 004: Latitude: 33 ° 15 ' 42 " Longitude: 92 ° 41 ' 27 "
- [OFLT] TREATMENT TYPE CODES (TRET): **46.**
- PIPE COMMENTS (PICM): **47.** {PCS - See below}
- MONITORING LOCATION (MLOC): **48.** from the final treatment unit.
- SLUDGE USE OPTION (SLTP): **49.**
- (SLPS) LAND REUSE OPTION (SLLR): **60.**
- CROP CLASS (SLCC): **61.**
- CROP TYPE (SLCT): **62.**

PIPE COMMENTS (PICM):

- ¹ Report monthly flow average and daily maximum as MGD (million gallons per day):
- ² See Condition No. 16 of Part III (Metals Requirements).
- ³ See Condition No. 12 of Part III (Acute Biomonitoring Requirements).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2004 and lasting until May 31, 2007, the permittee is authorized to discharge from outfall serial number 004. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements		Sample Type
	Mass (lbs/day)		Other Units (specify)		
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	estimate
Total Suspended Solids (TSS) (00530)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)
Ammonia-Nitrogen (NH3-N) (00610)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)
Total Recoverable Lead ² (01114)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	24-hr composite (24)
Total Recoverable Zinc ² (01094)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	24-hr composite (24)
Total Dissolved Solids (TDS) (70295)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)

Oil and Grease (O&G) (00556) N/A (26) N/A (26) 10 mg/l (19) 15 mg/l (19) once/week (01/07) grab (GR)

pH (00400) N/A N/A 6 s. u. (12) MIN 9 s. u. (12) MAX Grab (GR)

Acute Biomonitoring¹ N/A N/A N/A N/A N/A Once/quarter 24-hr composite

Pimephales promelas (Acute)
 Pass/Fail Lethality (48-Hr NOEC) **TEM6C**

48-hr Minimum Report (Pass=0/Fail=1) (9A) Report % (23) 48-hr Minimum Report (Pass=0/Fail=1) (9A) Report % (23) 24-hr composite (24) 24-hr composite (24)

Survival (48-Hr NOEC) **TOM6C**
 Coefficient of Variation (48-Hr NOEC) **TQM6c**

Once/quarter (01/90) Once/quarter (01/90) 24-hr composite (24) 24-hr composite (24)

Daphnia pulex (Acute)
 Pass/Fail Lethality (48-Hr NOEC) **TEM3D**

48-hr Minimum Report (Pass=0/Fail=1) (9A) Report % (23) 48-hr Minimum Report (Pass=0/Fail=1) (9A) Report % (23) 24-hr composite (24) 24-hr composite (24)

Survival (48-Hr NOEC) **TOM3D**
 Coefficient of Variation (48-Hr NOEC) **TQM3D**

Once/quarter (01/90) Once/quarter (01/90) 24-hr composite (24) 24-hr composite (24)

GENERAL **OUTFALL** INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]
 OUTFALL TYPE (OUTT): 41.
 TYPE EFFLUENT WASTE (WAST): 42.
 [OFLG] PIPE DESCRIPTION (PIPE): 43. Outfall 004: treated process & contaminated storm water
 PIPE LATITUDE & LONGITUDE (PLAT)&(PLON):
 [OFLT] TREATMENT TYPE CODES (TRET): 44. & 45. Outfall 004: Latitude: 33 ° 15 ' 42 " Longitude: 92 ° 41 ' 27 "
 PIPE COMMENTS (PICM): 46.
 MONITORING LOCATION (MLOC) 47. {PCS - See below}
 SLUDGE USE OPTION (SLTP): 48. from the final treatment unit.
 (SLPS) LAND REUSE OPTION (SLLR): 59.
 CROP CLASS (SLCC): 60.
 CROP TYPE (SLCT): 61.
 62.

PIPE COMMENTS (PICM):

- 1 Report monthly flow average and daily maximum as MGD (million gallons per day).
- 2 See Condition No. 16 of Part III (Metals Requirements).
- 3 See Condition No. 12 of Part III (Acute Biomonitoring Requirements).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2007 and lasting until the date of expiration, the permittee is authorized to discharge from outfall serial number 004. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements			Sample Type
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	Measurement Frequency	
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	once/day (01/01)	estimate
Total Suspended Solids (TSS) (00530)	N/A (26)	N/A (26)	Report (19)	Report (19)	once/week (01/07)	grab (GR)
Ammonia-Nitrogen (NH3-N) (00610)	N/A (26)	N/A (26)	Report (19)	Report (19)	once/week (01/07)	grab (GR)
Total Recoverable Lead ² (01114)	N/A (26)	N/A (26)	3.8 ug/l (19)	7.62 ug/l (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Zinc ² (01094)	N/A (26)	N/A (26)	115.62 ug/l (19)	231.99 ug/l (19)	once/month (01/30)	24-hr composite (24)
Total Dissolved Solids (TDS) (70295)	N/A (26)	N/A (26)	291 mg/l (19)	436.5 mg/l (19)	once/month (01/30)	grab (GR)

Oil and Grease (O&G) (00556)	N/A (26)	N/A (26)	10 mg/l (19)	15 mg/l (19)	once/week (01/07)	grab (GR)
pH (00400)	N/A	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	once/day (01/01)	Grab (GR)
Acute Biomonitoring ¹	N/A	N/A	N/A	N/A	Once/quarter	24-hr composite
Pimephales promelas (Acute) Pass/Fail Lethality (48-Hr NOEC) TEM6C			48-hr Minimum Report (Pass=0/Fail=1) (9A)		Once/quarter (01/90)	24-hr composite (24)
Survival (48-Hr NOEC) TOM6C Coefficient of Variation (48-Hr NOEC) TQM6c			Report % (23)		Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)
Daphnia pulex (Acute) Pass/Fail Lethality (48-Hr NOEC) TEM3D			48-hr Minimum Report (Pass=0/Fail=1) (9A)		Once/quarter (01/90)	24-hr composite (24)
Survival (48-Hr NOEC) TOM3D Coefficient of Variation (48-Hr NOEC) TQM3D			Report % (23)		Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)

OUTFALL: 00[5-6-7] effluent limitations

PERMIT # (NPID):: AR0000752

FACILITY NAME (FNML):: El Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]

- 41. (OUTT):
- 42. (WAST):
- 43. (PIPE):
- 44. & 45. Outfall 005-6-7: Latitude: 33 ° 15 ' 42 " Longitude: 92 ° 41 ' 27 "
- 46. (TRET):
- 47. (PICM):
- 48. (MLOC)
- 49. (SLTP):
- 60. (SLLR):
- 61. (SLCC):
- 62. (SLCT):

22
Outfall 005-6-7: treated process & contaminated storm water

{PCS - See below}
from the final treatment unit.

PIPE COMMENTS (PICM):

- 1 Report monthly flow average and daily maximum as MGD (million gallons per day).
- 2 See Condition No. 16 of Part III (Metals Requirements).
- 3 The Total Recoverable Cadmium requirements only apply to Outfall 006.
- 4 See Condition No. 12 of Part III (Acute Biomonitoring Requirements).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on effective date of the second permit modification, and lasting until the date of expiration, the permittee is authorized to discharge from outfall serial number 005-6-7. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements		Sample Type
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	estimate
Total Suspended Solids (TSS) (00530)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)
Ammonia-Nitrogen (NH3-N) (00610)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)
Total Recoverable Cadmium ^{2,3} (01113)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	24-hr composite (24)
Total Recoverable Lead ² (01114)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	24-hr composite (24)
Total Recoverable Zinc ² (01094)	N/A (26)	N/A (26)	Report ug/l (19)	Report ug/l (19)	24-hr composite (24)

Total Dissolved Solids (TDS) (70295)	N/A (26)	N/A (26)	Report (19)	once/month (01/30)	grab (GR)
Oil and Grease (O&G) (00556)	N/A (26)	10 mg/l (19)	15 mg/l (19)	once/week (01/07)	grab (GR)
pH (00400)	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	once/day (01/01)	Grab (GR)
Acute Biomonitoring ¹	N/A	N/A	N/A	Once/quarter	24-hr composite
<u>Pimephales promelas (Acute)</u> Pass/Fail Lethality (48-Hr NOEC) TEM6C	N/A	48-hr Minimum Report (Pass=0/Fail=1) (9A)	N/A	Once/quarter (01/90)	24-hr composite (24)
Survival (48-Hr NOEC) TOM6C Coefficient of Variation (48-Hr NOEC) TQM6c		Report % Report % (23)		Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)
<u>Daphnia pulex (Acute)</u> Pass/Fail Lethality (48-Hr NOEC) TEM3D		48-hr Minimum Report (Pass=0/Fail=1) (9A)		Once/quarter (01/90)	24-hr composite (24)
Survival (48-Hr NOEC) TOM3D Coefficient of Variation (48-Hr NOEC) TQM3D		Report % Report % (23)		Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)

OUTFALL: 00[5-6-7] final effluent limitations PERMIT # (NPID):: AR0000752

FACILITY NAME (FNML):: EJ Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]
OUTFALL TYPE (OUTT): **41.**
TYPE EFFLUENT WASTE (WAST): **42.**
[OFLG] PIPE DESCRIPTION (PIPE): **43.**
PIPE LATITUDE & LONGITUDE
(PLAT)&(PLON): **44. & 45.** Outfall 005-6-7: Latitude: 33 ° 15 ' 42 " Longitude: 92 ° 41 ' 27 "
[OFLT] TREATMENT TYPE CODES (TRET):
PIPE COMMENTS (PICM):
MONITORING LOCATION (MLOC):
SLUDGE USE OPTION (SLTP):
(SLPS) LAND REUSE OPTION (SLLR):
CROP CLASS (SLOC):
CROP TYPE (SLCT):

22 Outfall 005-6-7: treated process & contaminated storm water
 {PCS - See below}
 from the final treatment unit.

PIPE COMMENTS (PICM):

- 1 Report monthly flow average and daily maximum as MGD (million gallons per day).
- 2 See Condition No. 16 of Part III (Metals Requirements).
- 3 The Total Recoverable Cadmium requirements only apply to Outfall 006.
- 4 See Condition No. 12 of Part III (Acute Biomonitoring Requirements).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

During the period beginning on June 1, 2007 and lasting until the date of expiration, the permittee is authorized to discharge from outfall serial number 005-6-7. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic

Discharge Limitations

Monitoring Requirements

Effluent Characteristic	Discharge Limitations		Monitoring Requirements		Sample Type
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	estimate
Total Suspended Solids (TSS) (00530)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)
Ammonia-Nitrogen (NH3-N) (00610)	N/A (26)	N/A (26)	Report (19)	Report (19)	grab (GR)
Total Recoverable Cadmium ^{2,3} (01113)	N/A (26)	N/A (26)	2.03 ug/l (19)	4.08 ug/l (19)	24-hr composite (24)
Total Recoverable Lead ² (01114)	N/A (26)	N/A (26)	3.8 ug/l (19)	7.62 ug/l (19)	24-hr composite (24)
Total Recoverable Zinc ² (01094)	N/A (26)	N/A (26)	115.62 ug/l (19)	231.99 ug/l (19)	24-hr composite (24)

Total Dissolved Solids (TDS) (70295)	N/A (26)	N/A (26)	291 mg/l (19)	436.5 mg/l (19)	once/month (01/30)	grab (GR)
Oil and Grease (O&G) (00556)	N/A (26)	N/A (26)	10 mg/l (19)	15 mg/l (19)	once/week (01/07)	grab (GR)
pH (00400)	N/A	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	once/day (01/01)	Grab (GR)

Acute Biomonitoring ¹ N/A N/A N/A N/A Once/quarter 24-hr composite

Pimephales promelas (Acute)
Pass/Fail Lethality (48-Hr NOEC) **TEM6C**

Survival (48-Hr NOEC) **TOM6C**
Coefficient of Variation (48-Hr NOEC) **TQM6c**

N/A	N/A	48-hr Minimum Report (Pass=0/Fail=1) (9A)	N/A	Once/quarter	24-hr composite (24)
Report % Report % (23)	Report % Report % (23)	Once/quarter Once/quarter (01/90)	Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)	

Daphnia pulex (Acute)
Pass/Fail Lethality (48-Hr NOEC) **TEM3D**

Survival (48-Hr NOEC) **TOM3D**
Coefficient of Variation (48-Hr NOEC) **TQM3D**

N/A	N/A	48-hr Minimum Report (Pass=0/Fail=1) (9A)	N/A	Once/quarter	24-hr composite (24)
Report % Report % (23)	Report % Report % (23)	Once/quarter Once/quarter (01/90)	Once/quarter Once/quarter (01/90)	24-hr composite 24-hr composite (24)	

OUTFALL: 00[010] effluent limitations

PERMIT # (NPID):: AR0000752 (combined outfall of 001,004,006, & 007⁴)

FACILITY NAME (FNML):: El Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]

- OUTFALL TYPE (OUTT): 41.
- TYPE EFFLUENT WASTE (WAST): 42.
- [OFLG] PIPE DESCRIPTION (PIPE): 43. Outfall 010: treated process & contaminated storm water
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON): 44. & 45. Outfall 010: Latitude: 33 ° 09 ' 55 " Longitude: 92 ° 24 ' 40 "
- [OFLT] TREATMENT TYPE CODES (TRET): 46.
- PIPE COMMENTS (PICM): 47. {PCS - See below}
- MONITORING LOCATION (MLOC): 48. from the final treatment unit.
- SLUDGE USE OPTION (SLTP): 59.
- (SLPS) LAND REUSE OPTION (SLLR): 60.
- CROP CLASS (SLCC): 61.
- CROP TYPE (SLCT): 62.

PIPE COMMENTS (PICM):

- 1 Report monthly flow average and daily maximum as MGD (million gallons per day).
- 2 See Condition No. 16 of Part III (Metals Requirements).
- 3 See Condition No. 10 of Part III (Chronic Biomonitoring Requirements).
- 4 The first 2.0 inches of rainfall per 24 hour period will be routed to this outfall instead of Outfalls 004,006, and/or 007. Any rainfall above 2.0 inches in a 24 hour period will be discharged through Outfalls 004, 006, and/or Outfall 007.
- 5 See Condition No. 18 of Part III (Monitoring Frequency Reduction).
- 6 See Condition No. 27(b) of Part IV.

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at the outfall 010 (Latitude: 33° 09 55; Longitude: 92° 24 40") prior to commingling with any other waters.

During the period beginning on the effective date of the second modified permit and lasting until the date of expiration, the permittee is authorized to discharge from outfall serial number 010. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements		Sample Type	
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum		Measurement Frequency
Flow (MGD) ¹ (50050)	N/A (03)	N/A (03)	Report (19)	2 mg/l (19)	once/day (01/01)	totalizing meter
Carbonaceous Biochemical Oxygen Demand (CBOD5) (May-Oct) (Nov-April) (80082)	83.4 166.8 (26)	125.1 250.2 (26)	N/A N/A (19)	N/A N/A (19)	once/day ⁵ once/day ⁵ (01/01)	24-hr composite 24-hr composite (24)
Total Suspended Solids (TSS) (00530)	500.4 (26)	750.6 (26)	N/A (19)	N/A (19)	once/day ⁵ (01/01)	24-hr composite (24)

Ammonia-Nitrogen (NH3-N) (00610)	265.2 (26)	605 (26)	N/A (19)	N/A (19)	once/day ⁵ (01/01)	24-hr composite (24)
Oil and Grease (O&G) (00556)	166.8 (26)	250.2 (26)	N/A (19)	N/A (19)	two/week (02/07)	grab (GR)
Dissolved Oxygen (DO) ⁶ (00300)	N/A (26)	N/A (26)	Report, Minimum (19)		once/day ⁵ (01/01)	grab (GR)
Total Recoverable Cadmium ² (01113)	0.22 (26)	0.45 (26)	N/A (19)	N/A (19)	once/month (01/30)	24-hr composite (24)
Sulfates (00154)	N/A (26)	N/A (26)	Report (19)	Report (19)	two/week (02/07)	grab (GR)
Chlorides (00940)	N/A (26)	N/A (26)	Report (19)	Report (19)	two/week (02/07)	grab (GR)
Total Recoverable Mercury ² (71901)	N/A (26)	N/A (26)	N/A (19)	<0.2 ug/l (19)	once/month (01/30)	24-hr composite (24)
Hexavalent Chromium Dissolved ² (01220)	0.96 (26)	1.93 (26)	N/A (19)	N/A (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Lead ² (01114)	0.40 (26)	0.80 (26)	N/A (19)	N/A (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Copper ² (01119)	0.82 (26)	1.65 (26)	N/A (19)	N/A (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Nickel ² (01074)	14.23 (26)	28.55 (26)	N/A (19)	N/A (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Selenium ² (00981)	0.66 (26)	1.32 (26)	N/A (19)	N/A (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Silver ² (01079)	0.08 (26)	0.16 (26)	N/A (19)	N/A (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Chromium(III) ² (01118)	39.52 (26)	79.29 (26)	N/A (19)	N/A (19)	once/month (01/30)	24-hr composite (24)
Total Recoverable Cyanide ² (78248)	0.68 (26)	1.37 (26)	N/A (19)	N/A (19)	once/month (01/30)	grab (GR)
Total Phosphorus (00665)	N/A (26)	N/A (26)	Report (19)	Report (19)	once/day ⁵ (01/01)	grab (GR)

Total Dissolved Solids (TDS) (70295)	N/A (26)	N/A (26)	Report (19)	Report (19)	two/week (02/07)	grab (GR)
Nitrate Nitrogen as N (00620)	405.02 (26)	1153.73 (26)	N/A (19)	N/A (19)	once/day (01/01)	24-hr composite (24)
Fecal Coliform Bacteria (FCB) (74055)	N/A (26)	N/A (26)	Report (19)	Report (19)	once/day ^s (01/01)	grab (GR)
pH (00400)	N/A	N/A	6 s. u. (12) MIN	9 s. u. (12) MAX	once/day (01/01)	Grab (GR)
Chronic Biomonitoring **	N/A	N/A	N/A	N/A	once/quarter (01/90)	24-hr. composite (24)
<u>Pimephales promelas (Chronic)</u>						
Pass/Fail Growth (7-day NOEC) TGP6C			<u>7-day Average</u> Report (Pass=0/Fail=1)		once/quarter	24-hr. composite
Pass/Fail Lethality (7-day NOEC) TLP6C			Report (Pass=0/Fail=1) (9A)		once/quarter (01/90)	24-hr. composite (24)
Survival (7-day NOEC) TOP6C			Report %		once/quarter	24-hr. composite
Coefficient of Variation TQP6C			Report %		once/quarter	24-hr. composite
Growth (7-day NOEC) TPP6C			Report % (23)		once/quarter (01/90)	24-hr. composite (24)
<u>Ceriodaphnia dubia (Chronic)</u>						
Pass/Fail Growth (7-day NOEC) TGP3B			<u>7-day Average</u> Report (Pass=0/Fail=1)		once/quarter	24-hr. composite
Pass/Fail Lethality (7-day NOEC) TLP3B			Report (Pass=0/Fail=1) (9A)		once/quarter (01/90)	24-hr. composite (24)
Survival (7-day NOEC) TOP3B			Report %		once/quarter	24-hr. composite
Coefficient of Variation TQP3B			Report %		once/quarter	24-hr. composite
Reproduction (7-day NOEC) TPP3B			Report % (23)		once/quarter (01/90)	24-hr. composite (24)

OUTFALL: 00[sum] effluent limitations

PERMIT # (NPID):: AR0000752 (sum of Outfalls 001, 002, and 010)

FACILITY NAME (FNML):: El Dorado Chemical Co.

GENERAL OUTFALL INFORMATION SCREENS [OFLG, OFLT, LIMS, SLPS]

- OUTFALL TYPE (OUTT): 41.
- TYPE EFFLUENT WASTE (WAST): 42.
- [OFLG] PIPE DESCRIPTION (PIPE): 43. Outfall 001-002-010: treated process & contaminated storm water
- PIPE LATITUDE & LONGITUDE (PLAT)&(PLON): 44. & 45. Outfall 001-002-010: Latitude: 33 ° 09 ' 55 " Longitude: 92 ° 24 ' 40 "
- [OFLT] TREATMENT TYPE CODES (TRET): 46.
- PIPE COMMENTS (PICM): 47. {PCS - See below}
- MONITORING LOCATION (MLOC): 48. from the final treatment unit.
- SLUDGE USE OPTION (SLTP): 59.
- (SLPS) LAND REUSE OPTION (SLLR): 60.
- CROP CLASS (SLCC): 61.
- CROP TYPE (SLCT): 62.

PIPE COMMENTS (PICM):

1 Report monthly flow average and daily maximum as MGD (million gallons per day).

There shall be no discharge of distinctly visible solids, scum or foam of a persistent nature, nor shall there be any formation of slime, bottom deposits or sludge banks. No visible sheen (Sheen means an iridescent appearance on the surface of the water).

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at the outfall 010 (Latitude: 33° 09 55; Longitude: 92° 24 40") prior to commingling with any other waters.

During the period beginning on the effective date of the modified permit and lasting until the date of expiration, the permittee is authorized to discharge from outfall serial numbers 001, 002, & 010. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic

Discharge Limitations

	Mass (lbs/day)		Other Units (specify)		Sample Type
	Monthly Average	Daily Maximum	Monthly Average	Daily Maximum	
Flow (MGD) † (50050)	N/A (03)	N/A (03)	Report (19)	Report (19)	calculated
Ammonia Nitrogen as N (00610)	265.7 (26)	811.84 (26)	12 mg/l (19)	18 mg/l (19)	calculated
Nitrate Nitrogen as N (00620)	405.02 (26)	1153.73 (26)	26.3 mg/l (19)	74.9 mg/l (19)	calculated

Monitoring Requirements

	Other Units (specify)		Sample Type
	Monthly Average	Daily Maximum	
Flow (MGD) † (50050)	Report (19)	Report (19)	calculated
Ammonia Nitrogen as N (00610)	12 mg/l (19)	18 mg/l (19)	calculated
Nitrate Nitrogen as N (00620)	26.3 mg/l (19)	74.9 mg/l (19)	calculated