



# KERR-McGEE CHEMICAL LLC

RECEIVED  
ENVIRONMENTAL PROTECTION  
LAS VEGAS OFFICE

Susan Crowley  
Staff Environmental Specialist

(702) 651-2234  
Fax (405) 228-6882  
scrowley@kmg.com

January 27, 2005

2005 FEB -1 P 1:38

Compliance Coordinator  
State of Nevada  
Division of Environmental Protection  
Bureau of Water Permits & Compliance  
333 W. Nye Lane  
Carson City, Nevada 89710

Dear Gentlemen:

SUBJECT: Discharge Monitoring Report (DMR) - Fourth Quarter 2004 – NPDES Permit NV 0023060

Kerr-McGee Chemical LLC, Kerr-McGee, maintains an NPDES Permit #0023060 for discharge of water treated, as part of their on-going effort to remediate perchlorate in the Henderson area. The attached DMRs (Attachment 1) reflect information associated with the perchlorate remediation efforts, i.e. discharge of treated surface water near the Las Vegas Wash. Supporting analytical summaries (together with annual analytical graphs) are included in Attachment 2, with the supporting quarter's analytical reports included in Attachment 3. Please note that analyses of "Attachment A" analytes, for the treated discharge, indicate that there is no significant increase in "other constituents". This was expected due to the focused nature of the perchlorate remediation processes in service.

In December 2004, the biological perchlorate remediation process concluded its start-up period and demonstrated compliance with the 18 ug/l (ppb) permit limit for total perchlorate concentration.

Listed separately are analytical results for four Las Vegas Wash locations, which require analyses to evaluate the mixing zone as well as the upgradient on-site groundwater well. Analytical summaries are included in Attachment 2 while supporting analytical reports are included in Attachment 3.

Should you have any questions concerning this report, please contact me at (702) 651-2234. Thank you.

Sincerely,

Susan M. Crowley  
Staff Environmental Specialist

## Overnight Attachments

cc: LKBailey  
J Dixon, w/o analytical attachment  
JLambeth, w/o analytical attachment  
FRStater, w/o analytical attachment  
DKShandy, w/o analytical attachment

Todd Croft, NDEP (Las Vegas)  
Jim Najma, NDEP w/o analytical attachment  
Brian Rakvica, NDEP, w/o analytical attachment  
Doug Zimmerman, NDEP, w/o analytical attachment  
Mike Goff, SNWA

smc/2004 4th Q NPDES NV 0023060 - Cor Ltr.doc

**ATTACHMENT 1**

**Discharge Monitoring  
Reports (DMR)**

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000 uki

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

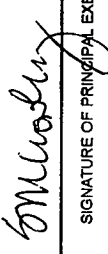
FROM 04 | 10 | 01 TO 04 | 10 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	1.41	1.44	MGD				0	Cont	Flow Meter
Effluent	1.45 MGD Maximum	1.75 MGD Maximum					0	Weekly	Comp
Perchlorate (IX)							0	Weekly	Comp
% Removal				37% Removal of 3 ppm in effluent			0	Weekly	Comp
Perchlorate (BIO)				3.4	9.0		0	Weekly	Comp
Effluent				15 ug/l	Monitor & Report		0	Weekly	Discrete
BOD <sub>5</sub> (Inhibited)				6.7	12	79.40	0	Weekly	Discrete
Effluent Gross Value				25 mg/l Maximum	40 mg/l Maximum	25-lb/day	0	Weekly	Discrete
pH				6.5	7.1		0	Weekly	Discrete
Effluent				6.5 Minimum	9.0 Maximum		0	Weekly	Discrete
Iron, Total				2.84	4.70	33.40	0	Weekly	Discrete
Effluent				10 mg/l	Monitor & Report	Monitor & Report	0	Weekly	Discrete
Manganese				0.64	0.70	7.50	0	Weekly	Discrete
Effluent				5 mg/l	Monitor & Report	Monitor & Report	0	Weekly	Discrete
Boron				3.88	4.20	45.7	0	Weekly	Discrete
Effluent				Monitor & Report	Monitor & Report	Monitor & Report	0	Weekly	Discrete

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE: 702-651-2200  
 AREA CODE NUMBER: 702-651-2200  
 DATE: 05/01/27  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

\* KMG Authorization to Discharge Permit No. NV 0023060 signed March 3, 2004 states Part 1, I.A.16, under Schedule of Compliance. The permittee shall implement and comply with the provisions of the schedule of compliance...  
 o. Within 9 months of permit issuance, the Permittee shall achieve compliance with the 18ug/l perchlorate limitation for the operation of the fluidized bed reactor biological treatment system.

**KERR-MCGEE CHEMICAL LLC**  
**PO BOX 55**  
**HENDERSON, NV 89009-7000**

**FACILITY: KERR-MCGEE CHEMICAL LLC**

**LOCATION: HENDERSON, NV**  
**SUSAN M. CROWLEY**

Attn:

**DISCHARGE MONITORING REPORT (DMR)**

NV 0023060	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

FROM	04	10	01	TO	04	10	31
------	----	----	----	----	----	----	----

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	-----		0.034	0.070	0.40	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	-----		0.448	0.610	5.74	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	-----		15.22	17.30	179.14	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	-----		1.14	1.60	13.40	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Nitrate, as N Effluent	SAMPLE MEASUREMENT	-----		2.06	2.50	24.20	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----		1.14	1.60	13.40	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Attachment A Effluent	SAMPLE MEASUREMENT	-----		Please see attached results				0	Quart	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER <b>Susan Crowley</b>			TELEPHONE				DATE			
Staff Environmental Specialist			702-651-2200				05 / 01 / 27			
TYPED OR PRINTED			AREA CODE NUMBER				YEAR MO DAY			
COMMENT AND EXPLANATION OF ANY VIOLATIONS			OFFICER OR AUTHORIZED AGENT							

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

GRANT UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A PERMIT ISSUED BY THE STATE OF NEVADA. I AM AWARE OF THE REQUIREMENTS OF THE PERMIT AND I AM RESPONSIBLE FOR THE INFORMATION CONTAINED HEREIN. I AM NOT PROVIDING THIS INFORMATION TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF THE STATE OF NEVADA. I AM NOT PROVIDING THIS INFORMATION TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF THE STATE OF NEVADA. I AM NOT PROVIDING THIS INFORMATION TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF THE STATE OF NEVADA.

(Reference all attachments here)

PERMITTEE INFORMATION:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM: 04 | 10 | 01 TO: 04 | 10 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Un-ionized Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	1.5	3.4	0.04	0	Weekly	Calc	
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report			0	Weekly	Calc	
Un-ionized Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	0.2	0.7	0.03	0	Weekly	Calc	
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report			0	Weekly	Calc	
Hexavalent Chromium	SAMPLE MEASUREMENT	-----	-----	0.001	0.002	0.01	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report			0	Weekly	Discrete	
Hexavalent Chromium	SAMPLE MEASUREMENT	-----	-----	0.000	0.000	0.00	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report			0	Weekly	Discrete	
Total Chromium	SAMPLE MEASUREMENT	-----	-----	0.004	0.008	0.05	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report			0	Weekly	Discrete	
Total Chromium	SAMPLE MEASUREMENT	-----	-----	0.002	0.003	0.03	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report			0	Weekly	Discrete	
Total Suspended Solids	SAMPLE MEASUREMENT	-----	-----	19.80	26.00	233	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report			0	Weekly	Discrete	
<p>CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON THE INFORMATION REPORTED IN THIS MONITORING REPORT AND BASED ON THE DATA FROM THE MONITORING PERIOD, I AM NOT PROVIDING AND BELIEVE THE ACCURATE AND COMPLETE INFORMATION REQUIRED FOR THE DETERMINATION OF THE MONITORING PERIOD. I AM NOT PROVIDING AND BELIEVE THE ACCURATE AND COMPLETE INFORMATION REQUIRED FOR THE DETERMINATION OF THE MONITORING PERIOD FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR EXISTING VIOLATIONS.</p>										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			DATE				
Susan Crowley			702-651-2200			05/01/07				
Staff Environmental Specialist			AREA CODE NUMBER			YEAR MO DAY				
TYPED OR PRINTED			OFFICER OR AUTHORIZED AGENT							
COMMENT AND EXPLANATION OF ANY VIOLATIONS										

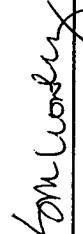
(Reference all attachments here)

PERMIT NUMBER: **KERR-MCGEE CHEMICAL LLC**  
 NAME: **KERR-MCGEE CHEMICAL LLC**  
 ADDRESS: **PO BOX 55 HENDERSON, NV 89009-7000**  
 FACILITY: **KERR-MCGEE CHEMICAL LLC**  
 LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

DISCHARGE MONITORING REPORT # **001**  
 PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

MONITORING PERIOD: **FROM 04 | 10 | 01 TO 04 | 10 | 31**  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)				30 Day Ave (lb/day)
Color Influent	SAMPLE MEASUREMENT	---	---	6	10	---	ACU	Discrete	
	PERMIT REQUIREMENT	---	---	Monitor & Report	---	---	---		
Color Effluent	SAMPLE MEASUREMENT	---	---	9	10	---	ACU	Discrete	
	PERMIT REQUIREMENT	---	---	Monitor & Report	---	---	---		
Total Dissolved Solids Influent	SAMPLE MEASUREMENT	---	---	6,370	6,500	74,975	mg/l	Discrete	
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	Monitor & Report	---		
Total Dissolved Solids Effluent	SAMPLE MEASUREMENT	---	---	6,036	6,170	71,044	mg/L	Discrete	
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	Monitor & Report	---		
Sulfide Influent	SAMPLE MEASUREMENT	---	---	0.05	0.05	0.59	mg/l	Discrete	
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	Monitor & Report	---		
Sulfide Effluent	SAMPLE MEASUREMENT	---	---	0.05	0.05	0.59	mg/l	Discrete	
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	Monitor & Report	---		
Dissolved Oxygen Effluent	SAMPLE MEASUREMENT	---	---	5.89	8.38	69.30	mg/l	Discrete	
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	Monitor & Report	---		
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER								TELEPHONE	DATE
Susan Crowley		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						702-651-2200	05   01   27
Typed or Printed Name		OFFICER OR AUTHORIZED AGENT						AREA CODE NUMBER	YEAR MO DAY
Staff Environmental Specialist									

COMMITTEE MEMBER STATE THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION AND I AM AWARE THAT THESE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

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COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 10 | 01 TO 04 | 10 | 31

NO DISCHARGE

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PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT				
Chlorate	SAMPLE MEASUREMENT	---	---	---	0.010	0.10	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report					
Effluent	SAMPLE MEASUREMENT	---	---	---	1.775	20.80	pci/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report					
Gross Alpha	SAMPLE MEASUREMENT	---	---	---	17.2	202.90	pci/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report					
BODs (Inhibited)	SAMPLE MEASUREMENT	---	---	---	1.5	17.70	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	25 mg/L Maximum	45 mg/L Maximum					
Influent Gross Value	SAMPLE MEASUREMENT	---	---	---	---	---	---	---	---	---	
	PERMIT REQUIREMENT	---	---	---	---	---	---	---	---	---	
	SAMPLE MEASUREMENT	---	---	---	---	---	---	---	---	---	
	PERMIT REQUIREMENT	---	---	---	---	---	---	---	---	---	
	SAMPLE MEASUREMENT	---	---	---	---	---	---	---	---	---	
	PERMIT REQUIREMENT	---	---	---	---	---	---	---	---	---	
	SAMPLE MEASUREMENT	---	---	---	---	---	---	---	---	---	
	PERMIT REQUIREMENT	---	---	---	---	---	---	---	---	---	

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley

Signature: *Susan Crowley*

Signature of Principal Executive Officer

Officer or Authorized Agent

TELEPHONE: 702-651-2200

DATE: 05/01/27

AREA CODE NUMBER: 702-651-2200

YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000  
 uki

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY


MONITORING PERIOD  
 FROM 04 | 11 | 01 TO 04 | 11 | 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.  
 QUALITY OR CONCENTRATION

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	1.42	1.44	MGD				0	Cont	Flow Meter
Effluent	1.45 MGD Maximum								
Perrchlorate (PX)							0	Weekly	Comp
% Removal				97% Removal of 3 ppm in effluent					
Perrchlorate (BIO)				6.3	15.0		0	Weekly	Comp
Effluent				12 ug/l	Monitor & Report				
BOD <sub>5</sub> (Inhibited)				5.9	10.5	70.40	0	Weekly	Discrete
Effluent Gross Value				25 mg/l Maximum	40 mg/l Maximum	254 lb/day			
pH				7.0	7.2		0	Weekly	Discrete
Effluent				6.5 Minimum	9.0 Maximum				
Iron, Total				3.03	3.80	35.90	0	Weekly	Discrete
Effluent				10 mg/l	Monitor & Report	Monitor & Report			
Manganese				0.64	0.70	7.60	0	Weekly	Discrete
Effluent				5 mg/l	Monitor & Report	Monitor & Report			
Boron				3.65	3.90	43.3	0	Weekly	Discrete
Effluent				Monitor & Report	Monitor & Report	Monitor & Report			

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 TYPED OR PRINTED

STAFF ENVIRONMENTAL SPECIALIST  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE  
 702-651-2200

DATE  
 05/01/27

AREA CODE NUMBER  
 YEAR MO DAY

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COMMITMENT AND EXPLANATION OF ANY VIOLATIONS  
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PERMITTEE NAME/ADDRESS:  
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PERMIT NUMBER	NV 0023060
DISCHARGE NUMBER	001

**FACILITY: KERR-McGEE CHEMICAL LLC**

**LOCATION: HENDERSON, NV**  
**Attn: SUSAN M. CROWLEY**

**MONITORING PERIOD**

FROM 04 | 11 | 01 TO 04 | 11 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----		0.055	0.100	0.65	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----		0.373	0.490	4.42	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	20 lb/day				
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----		13.18	18.00	156.53	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----		0.90	0.96	10.70	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Nitrate, as N	SAMPLE MEASUREMENT	-----		1.13	1.50	14.80	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Ammonia, as N	SAMPLE MEASUREMENT	-----		0.90	0.96	10.70	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	40 lb/day				
Attachment A	SAMPLE MEASUREMENT	-----		Please see attached results				0	Quart	Discrete
	PERMIT REQUIREMENT			Monitor & Report						

*S.M. Crowley*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE
702-651-2200	05/01/27
AREA CODE NUMBER	YEAR MO DAY

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A METHOD DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL HAVE MEASURED, COLLECTED, STORED, HANDLED, TRANSPORTED, AND ANALYZED THE INFORMATION SUBMITTED IN THIS REPORT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE PENALTY PROVISIONS FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**Susan Crowley**  
**Staff Environmental Specialist**  
 TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

STATE NAME ADDRESS: **KERR-McGEE CHEMICAL LLC**  
**NAME: KERR-McGEE CHEMICAL LLC**  
**ADDRESS: PO BOX 55**  
**HENDERSON, NV 89009-7000**


**ACILITY: KERR-McGEE CHEMICAL LLC**  
**LOCATION: HENDERSON, NV**  
**Attn: SUSAN M. CROWLEY**

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**MONITORING PERIOD**  
 FROM: **04 | 11 | 01** TO: **04 | 11 | 30**

**NO DISCHARGE**

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	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Un-ionized Ammonia, as N	MEASUREMENT	---		2.4	2.7	0.04	0	Weekly	Calc
Influent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Un-ionized Ammonia, as N	MEASUREMENT	---		0.6	0.9	0.07	0	Weekly	Calc
Effluent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Hexavalent Chromium	MEASUREMENT	---		0.030	0.073	0.36	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Hexavalent Chromium	MEASUREMENT	---		0.000	0.000	0.00	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Total Chromium	MEASUREMENT	---		0.024	0.070	0.29	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Total Chromium	MEASUREMENT	---		0.002	0.003	0.03	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Total Suspended Solids	MEASUREMENT	---		19.25	25.00	228.6	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			135 mg/L	Monitor & Report	Monitor & Report			
<p>           I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A PERMIT OR ORDERED TO ABIDE THAT QUALIFIED PERSONNEL, PROPERLY TRAINED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE FACILITY OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND ACCURATE. I AM NOT PROVIDING ANY INFORMATION THAT IS SIGNIFICANTLY DIFFERENT FROM THE INFORMATION SUBMITTED, INCLUDING THE RESULTS OF TESTS AND REPRESENTATIONS FOR ISSUING VIOLATIONS.         </p>									
<b>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER</b> <b>Susan Crowley</b>				<b>TELEPHONE</b> <b>702-651-2200</b>		<b>DATE</b> <b>05/01/27</b>			
<b>Staff Environmental Specialist</b> <b>TYPED OR PRINTED</b>		<b>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</b>		<b>AREA CODE NUMBER</b> <b>702-651-2200</b>		<b>YEAR MO DAY</b>			
<b>COMMENT AND EXPLANATION OF ANY VIOLATIONS</b>									

PERMIT NUMBER  
 NV 0023060

DISCHARGE NUMBER  
 001

FACILITY: KERR-McGEE CHEMICAL LLC

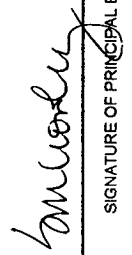
LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 11 | 01 TO 04 | 11 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				
Color	SAMPLE MEASUREMENT	---	---	---	8	---	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---				
Influent	SAMPLE MEASUREMENT	---	---	---	10	---	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---				
Color	SAMPLE MEASUREMENT	---	---	---	10	---	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---				
Effluent	SAMPLE MEASUREMENT	---	---	---	6,348	75,389	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report				
Total Dissolved Solids	SAMPLE MEASUREMENT	---	---	---	6,070	72,087	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report				
Effluent	SAMPLE MEASUREMENT	---	---	---	0.05	0.59	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report				
Sulfide	SAMPLE MEASUREMENT	---	---	---	0.05	0.59	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report				
Influent	SAMPLE MEASUREMENT	---	---	---	0.05	0.59	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report				
Sulfide	SAMPLE MEASUREMENT	---	---	---	0.05	0.59	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report				
Effluent	SAMPLE MEASUREMENT	---	---	---	4.84	57.40	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report				
Dissolved Oxygen	SAMPLE MEASUREMENT	---	---	---	4.84	57.40	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report				
<p>GRATE UNDER FOOTING OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A PERMIT DECISION TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERMITTEE OR PERSONS WHO MANAGE THE PERMITTEE OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND CORRECT. I AM AWARE THAT THESE ARE THE SIGNIFICANT PARAMETERS FOR REGULATORY COMPLIANCE IN OPERATION, INCLUDING THE POSSIBILITY OF FURTHER INVESTIGATION FOR ANY VIOLATIONS.</p>										
<p>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER                  Susan Crowley                  Staff Environmental Specialist                  TYPED OR PRINTED</p>										
<p>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT                    OFFICER OR AUTHORIZED AGENT</p>										
TELEPHONE								DATE		
702-651-2200								05/01/27		
AREA CODE NUMBER								YEAR MO DAY		

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL LLC**  
**PO BOX 55**  
**HENDERSON, NV 89009-7000**

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

FACILITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

MONITORING PERIOD

FROM **04 | 11 | 01** TO **04 | 11 | 30**

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Oil & Grease	MEASUREMENT	-----		2.50	2.50	29.70	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Oil & Grease	MEASUREMENT	-----		2.5	2.5	29.70	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
TKN (as N)	MEASUREMENT	-----		0.10	0.10	1.19	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
TKN (as N)	MEASUREMENT	-----		3.58	4.40	42.50	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Chloride	MEASUREMENT	-----		1,825	1,900	21,674	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Chloride	MEASUREMENT	-----		2,075	2,200	24,643	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Chlorate	MEASUREMENT	-----		423	430	6,203	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				

*Susan Crowley*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER

OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

05/01/27

702-651-2200

AREA CODE NUMBER

YEAR

MO

DAY

CRITIC UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A PERMIT ISSUED TO ABIDE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. I AM AWARE OF THE PERIOD OF TIME WITH WHICH THE PERMIT OR THESE POLARS DIRECTLY AND INDIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. I AM NOT PROVIDING ANY INFORMATION TO THE PERMITTING AGENCY THAT IS FALSE OR MISLEADING. I AM NOT PROVIDING ANY INFORMATION THAT IS SIGNIFICANTLY DIFFERENT FROM THE INFORMATION SUBMITTED TO THE PERMITTING AGENCY. I AM NOT PROVIDING ANY INFORMATION THAT IS SIGNIFICANTLY DIFFERENT FROM THE INFORMATION SUBMITTED TO THE PERMITTING AGENCY.

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**Susan Crowley**  
 Staff Environmental Specialist  
 TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)



FACILITY ADDRESS: **KERR-McGEE CHEMICAL LLC**  
**DISCHARGE MONITORING REPORT (DMR)**  
 NV 0077060 001  
 HENDERSON, NV 89009-7000 uki

FACILITY: **KERR-McGEE CHEMICAL LLC**  
 LOCATION: **HENDERSON, NV**  
 OPERATOR: **SUSAN M. CROWLEY**  
 MONITORING PERIOD  
 FROM **04 | 12 | 01** TO **04 | 12 | 31** NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	MEASUREMENT	1.41	MGD	---	---	---	0	Cont	Flow Meter
	PERMIT REQUIREMENT	1.45 MGD Maximum		---	---	---			
Pentachlorate (IX)	MEASUREMENT	---		---	---	---	0	Weekly	Comp
	PERMIT REQUIREMENT	---		97% Removal of 3 ppm in effluent	Monitor & Report	Monitor & Report			
% Removal	MEASUREMENT	---		5.2	11.0	---	0	Weekly	Comp
	PERMIT REQUIREMENT	---		18 ug/l	Monitor & Report	---			
Pentachlorate (BIO)	MEASUREMENT	---		3.4	3.6	40.40	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		25 mg/l Maximum	40 mg/l Maximum	254 lb/day			
pH	MEASUREMENT	---		6.7	6.8	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		6.5 Minimum	9.0 Maximum	---			
Iron, Total	MEASUREMENT	---		3.14	4.30	37.30	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		10 mg/l	Monitor & Report	Monitor & Report			
Manganese	MEASUREMENT	---		0.53	0.59	6.30	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		5 mg/l	Monitor & Report	Monitor & Report			
Zinc	MEASUREMENT	---		3.38	3.60	40.2	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	Monitor & Report			

NAME / TITLE: **Susan Crowley**  
 Principal Executive Officer  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 TELEPHONE: **702-651-2200**  
 DATE: **05 | 01 | 07**  
 AREA CODE NUMBER: **702-651-2200**  
 YEAR MO DAY

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL, PROPERLY TRAINED AND EVALUATED, HAVE COLLECTED, MONITORED, AND REPORTED THE INFORMATION IN THIS REPORT. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

COMMENT AND EXPLANATION OF ANY VIOLATIONS:  
 KMG Authorization to Discharge Permit No. NV 0023090 signed March 3, 2004 states Part I, A.16, under Schedule of Compliance. The permittee shall implement and comply with the provisions of the schedule of compliance...  
 Within 9 months of permit issuance, the Permittee shall achieve compliance with the 18ug/l perchlorate limitation for the operation of the fluidized bed reactor biological treatment system.

00044/961223-1801  
 PAGE 1 OF 6

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

DISCHARGE MONITORING REPORT (DMR)

ACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 SUSAN M. CROWLEY

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT			
Total Phosphorus, as P effluent					0.027	0.073	0.32	mg/L	0	Weekly	Discrete
Total Phosphorus, as P effluent					0.440	0.630	5.23	mg/L	0	Weekly	Discrete
Total Inorganic Nitrogen, as effluent					15.76	18.00	214.07	mg/l	0	Weekly	Discrete
Total Inorganic Nitrogen, as effluent					1.04	1.30	12.10	mg/L	0	Weekly	Discrete
Nitrate, as N effluent					1.15	1.25	13.70	mg/l	0	Weekly	Discrete
Ammonia, as N effluent					1.04	1.30	12.30	mg/l	0	Weekly	Discrete
Attachment A effluent					Please see attached results				0	Quart	Discrete

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT  
 DATE  
 05/01/27

TELEPHONE  
 702-651-2200  
 AREA CODE NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

COMMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

AGILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 W/tn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 12 | 01 TO 04 | 12 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Ionized Ammonia, as N effluent	MEASUREMENT	-----		1.2	1.4	0.07	%	0	Weekly	Calc
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Ionized Ammonia, as N effluent	MEASUREMENT	-----		0.3	0.3	0.03	%	0	Weekly	Calc
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
hexavalent Chromium effluent	MEASUREMENT	-----		0.017	0.039	0.20	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
hexavalent Chromium effluent	MEASUREMENT	-----		0.000	0.001	0.00	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	0.01 mg/L	Monitor & Report				
Total Chromium effluent	MEASUREMENT	-----		0.021	0.027	0.25	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report				
Total Chromium effluent	MEASUREMENT	-----		0.008	0.014	0.09	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	0.10 mg/L	Monitor & Report				
Total Suspended Solids effluent	MEASUREMENT	-----		24.40	34.00	290.2	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			135 mg/L	Monitor & Report	Monitor & Report				

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT

702-651-2200  
 AREA CODE NUMBER

05 | 01 | 27  
 DATE

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)



PERMIT NUMBER: **KERR-McGEE CHEMICAL LLC**  
 NAME: **KERR-McGEE CHEMICAL LLC**  
 ADDRESS: **PO BOX 55**  
**HENDERSON, NV 89009-7000**

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

ACTIVITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 ATTN: **SUSAN M. CROWLEY**

MONITORING PERIOD

FROM **04 | 12 | 01** TO **04 | 12 | 31**

NO DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Color	MEASUREMENT	---	---	9	10	---	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
	MEASUREMENT	---	---	14	20	---	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
	MEASUREMENT	---	---	6,192	6,410	73,640	0	Weekly	Discrete
Total Dissolved Solids	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
	MEASUREMENT	---	---	5,866	5,980	69,763	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
	MEASUREMENT	---	---	0.05	0.05	0.59	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
	MEASUREMENT	---	---	0.05	0.05	0.59	0	Weekly	Discrete
Dissolved Oxygen	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
	MEASUREMENT	---	---	6.77	8.54	80.50	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
	MEASUREMENT	---	---	---	---	---	---	---	---

STATE UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER THE DIRECTION OR SUPERVISION OF AN OFFICER OR AUTHORIZED AGENT OF THE STATE OF NEVADA AND THAT THE INFORMATION CONTAINED HEREIN IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME / TITLE: **PRINCIPAL EXECUTIVE OFFICER**  
**Susan Crowley**

Signature: *Susan Crowley*

TITLE: **Environmental Specialist**

TELEPHONE: **702-651-2200** DATE: **05/01/27**

OFFICER OR AUTHORIZED AGENT

AREA CODE NUMBER

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

00044961223-1801

PAGE 4 OF 6

**DISCHARGE MONITORING REPORT (DMR)**

PERMIT NUMBER  
 NV 0023060  
 DISCHARGE NUMBER  
 001

MONITORING PERIOD  
 FROM 04 | 12 | 01 TO 04 | 12 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

QUALITY OR CONCENTRATION

QUANTITY OR LOADING

UNIT

NO. EX

FREQUENCY OF ANALYSIS

PARAMETER	AVERAGE		UNITS	30 Day Ave (mg/l)			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	MEASUREMENT	PERMIT REQUIREMENT		MEASUREMENT	PERMIT REQUIREMENT	MEASUREMENT				
Oil & Grease	MEASUREMENT	---		2.50	2.50	29.70	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Effluent	MEASUREMENT	---		2.5	2.5	29.70	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
TKN (as N)	MEASUREMENT	---		0.10	0.10	1.19	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Effluent	MEASUREMENT	---		3.94	5.30	46.90	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Chloride	MEASUREMENT	---		1,740	1,800	20,694	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Effluent	MEASUREMENT	---		1,940	2,000	23,072	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Chlorate	MEASUREMENT	---		416	450	4,947	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
*Susan Crowley*

OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE  
 702-651-2200 05/01/27

AREA CODE NUMBER YEAR MO DAY

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A LETTERHEAD DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL, PROPERLY TRAINED AND EVALUATED, HAVE PREPARED THE INFORMATION SUBMITTED. ALSO, ON MY BEHALF, I AM AWARE THAT THOSE PERSONS WHO MANAGE THE FACILITY OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR Ongoing VIOLATIONS.

(Reference all attachments here)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023080  
 DISCHARGE NUMBER: 001

MONITORING PERIOD

FROM: 04 | 12 | 01 TO: 04 | 12 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

ACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 SUSAN M. CROWLEY

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Chlorate	MEASUREMENT	---	---	0.013	0.025	0.20	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	Monitor & Report	0		
	MEASUREMENT	---	---	1.709	2.585	20.30	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	Monitor & Report	0		
	MEASUREMENT	---	---	23.6	28.0	280.70	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	Monitor & Report	0		
	MEASUREMENT	---	---	1.5	1.5	17.80	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	25 mg/L Maximum	45 mg/L Maximum	Monitor & Report	0		
	MEASUREMENT	---	---	---	---	---	0		
Effluent	PERMIT REQUIREMENT	---	---	---	---	---	0		
	MEASUREMENT	---	---	---	---	---	0		
Effluent	PERMIT REQUIREMENT	---	---	---	---	---	0		
	MEASUREMENT	---	---	---	---	---	0		

NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist

TYPED OR PRINTED

TELEPHONE: 702-651-2200  
 DATE: 05/01/27

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER: *Susan Crowley*  
 OFFICER OR AUTHORIZED AGENT

AREA CODE NUMBER: 702-651-2200  
 YEAR MO DAY: 05/01/27

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

00044/961223-1801

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## **ATTACHMENT 2**

### **Summary of Supporting Analytical - Influent / Effluent Wash M-10 Upgradient Well**

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:26:57 PM

Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	BEA Influent	ALA IX Effluent
Water	Sample Date	10/4/2004	10/4/2004	10/11/2004	10/11/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050018	2410050017	2410120003	2410120002	2410190008	2410190007
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					
<b>Other</b>							
Apparent Color	ACU	5 v	10 v	5 v	10 v	5 v	5 v
Surfactants	mg/l					1.53 vd	0.136 v
Total Dissolved Solids	mg/l	6410 v	6080 v	6500 v	6170 v	6400 v	5970 v
Total Organic Carbon	mg/l					2.2 v	3.3 v
Total Suspended Solids	mg/l		19 v		22 v	10 u	16 v
Laboratory pH	s.u.	7.5 v	6.4 v	6.7 v	6.3 v	7.3 v	6.4 v
<b>Metals</b>							
Antimony	mg/l					0.005 ud	0.01 ud
Arsenic	mg/l					0.025 v	0.01 vd
Barium	mg/l					0.021 vd	0.022 vd
Beryllium	mg/l					0.01 ud	0.01 ud
Boron	mg/l		3.8 v		3.9 vd	3.7 v	3.7 vd
Cadmium	mg/l					0.005 ud	0.005 ud
Chromium	mg/l	0.005 ud	0.001 u	0.0079 vd	0.0033 v	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0009 v	0.0003 v	0.0008 v	0.0001 u	0.0008 v	0.0001 u
Copper	mg/l					0.01 ud	0.02 ud
Iron	mg/l		2 v		3.1 vd	0.02 u	2.5 vd
Lead	mg/l					0.005 ud	0.005 ud
Magnesium	mg/l					180 v	180 v
Manganese	mg/l		0.7 vd		0.62 v	0.58 vd	0.58 vd
Mercury	mg/l					0.0002 u	0.0002 u
Molybdenum	mg/l					0.18 vd	0.19 vd
Nickel	mg/l					0.05 ud	0.05 ud
Potassium	mg/l					30 v	31 v
Selenium	mg/l					0.025 ud	0.05 ud
Sodium	mg/l					1300 v	1300 vd
Strontium	mg/l					10 vd	11 vd
Thallium	mg/l					0.01 ud	0.01 ud
Vanadium	mg/l					0.06 vd	0.04 vd
Zinc	mg/l					0.041 vd	0.05 ud
Arsenic III	ug/l					36 v	8.1 v
<b>Inorganics</b>							
Percent Unionized Ammonia	%	1.73 v	0.139 v	0.278 v	0.111 v	1.1 v	0.139 v
25C							
Ammonia (as N)	mg/l	0.1 v	1 v	0.14 v	0.96 v	0.3 v	1.3 v
Biochemical oxygen demand	mg/l	3 u	5.2 v	3 u	6.3 v	3 u	4.7 v
Chemical oxygen demand	mg/l					7 v	45 v
Chloride	mg/l	1900 vd	1600 vd	1800 vd	2100 vd	1900 vd	2200 vd
Nitrate (as N)	mg/l	16 vd	100 ud	15 vd	5 ud	17 vd	5 ud
Nitrate/Nitrite	mg/l	16.1 v	1 v	15.1 v	0.96 v	17.3 v	1.3 v
Nitrite	mg/l	5 ud	100 ud	5 ud	5 ud	5 ud	5 ud
Sulfate	mg/l					1700 vd	1600 vd

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:26:57 PM

Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	10/4/2004	10/4/2004	10/11/2004	10/11/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050018	2410050017	2410120003	2410120002	2410190008	2410190007
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					
	sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	4.1 v	0.2 u	4.6 v	0.2 u	4.1 v
Total Phosphorus-P	mg/l	0.01 u	0.61 v	0.02 v	0.51 v	0.07 v	0.35 v
Chlorate	ug/l	430000 vd	20 ud	430000 vd	20 ud	420000 vd	20 ud
Perchlorate	ug/l	180000 vd	4 u	210000 vd	4 u	190000 vd	4 u
<b>Radiologic</b>							
Gross Alpha	pCi/l		20 v		22 v	32 v	9.21 u
Ra-226 - soluble	pCi/l		0.672 u		0.824 u	0.816 v	1.255 v
Ra-228 - soluble	pCi/l		1.05 u		0.997 u	0.594 u	0.974 u
<b>Dioxins and Furans</b>							
Tetrahydrofuran	ug/l					10 u	10 u
<b>Herbicides</b>							
2,4,5-T	ug/l					0.4 u	0.4 u
2,4,5-TP (Silvex)	ug/l					0.4 u	0.4 u
2,4-D	ug/l					0.4 u	0.4 u
2,4-DB	ug/l					0.4 u	0.4 u
Dalapon	ug/l					0.67 v	0.4 u
Dicamba	ug/l					0.4 u	0.4 u
Dichlorprop	ug/l					0.4 u	0.4 u
Dinoseb	ug/l					0.4 u	0.4 u
<b>Hydrocarbon</b>							
Oil and grease	mg/l	5 u	5 u	5 u	5 u	5 u	5 u
<b>PCBs</b>							
Aroclor-1016	ug/l					0.95 u	0.99 u
Aroclor-1221	ug/l					0.95 u	0.99 u
Aroclor-1232	ug/l					0.95 u	0.99 u
Aroclor-1242	ug/l					0.95 u	0.99 u
Aroclor-1248	ug/l					0.95 u	0.99 u
Aroclor-1254	ug/l					0.95 u	0.99 u
Aroclor-1260	ug/l					0.95 u	0.99 u
<b>Pesticides</b>							
4,4-DDD	ug/l					0.19 u	0.02 u
4,4-DDE	ug/l					0.19 u	0.2 u
4,4-DDT	ug/l					0.42 v	0.2 u
Aldrin	ug/l					v	0.099 u
Alpha-BHC	ug/l					0.47 v	v
Beta-BHC	ug/l					0.33 v	v
bis(2-ethylhexyl)adipate	ug/l					0.6 u	0.6 u
Delta-BHC	ug/l					0.72 vd	v
Dieldrin	ug/l					0.19 u	0.2 u
Endosulfan I	ug/l					0.095 u	0.099 u
Endosulfan II	ug/l					v	0.2 u
Endosulfan Sulfate	ug/l					0.19 u	0.2 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:26:58 PM

Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	10/4/2004	10/4/2004	10/11/2004	10/11/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050018	2410050017	2410120003	2410120002	2410190008	2410190007
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					

Endrin	ug/l					0.19 u	0.2 u
Endrin Aldehyde	ug/l					0.19 u	0.2 u
Endrin Ketone	ug/l					0.19 u	0.2 u
Gamma-BHC (Lindane)	ug/l					v	v
Heptachlor	ug/l					0.095 u	0.099 u
Heptachlor Epoxide	ug/l					0.095 u	0.099 u
Methoxychlor	ug/l					0.95 u	0.99 u
Molinate	ug/l					0.2 u	0.2 u
Simazine	ug/l					0.05 u	0.05 u
Thiobencarb	ug/l					0.2 u	0.2 u
Toxaphene	ug/l					1.9 u	2 u
<b>SVOAs</b>							
2,4,5-Trichlorophenol	mg/l					0.0097 u	0.01 u
2,4-Dichlorophenol	mg/l					0.0097 u	0.01 u
2,4-Dinitrotoluene	mg/l					0.019 u	0.02 u
2,6-Dinitrotoluene	mg/l					0.0097 u	0.01 u
2-Chloronaphthalene	mg/l					0.0097 u	0.01 u
2-Methylnaphthalene	mg/l					0.0097 u	0.01 u
2-Methylphenol	mg/l					0.0097 u	0.01 u
2-Nitroaniline	mg/l					0.0097 u	0.01 u
2-Nitrophenol	mg/l					0.0097 u	0.01 u
3,3-Dichlorobenzidine	mg/l					0.0097 u	0.01 u
3-Nitroaniline	mg/l					0.0097 u	0.01 u
4,6-Dinitro-2-methylphenol	mg/l					0.019 u	0.02 u
4-Bromophenyl-phenylether	mg/l					0.0097 u	0.01 u
4-Chloroaniline	mg/l					0.0097 u	0.01 u
4-Chlorophenyl-phenylether	mg/l					0.0097 u	0.01 u
4-Methylphenol	mg/l					0.0097 u	0.01 u
4-Nitroaniline	mg/l					0.0097 u	0.01 u
4-Nitrophenol	mg/l					0.019 u	0.02 u
Acenaphthene	mg/l					0.0097 u	0.01 u
Anthracene	mg/l					0.0097 u	0.01 u
Benzo(g,h,i)perylene	mg/l					0.0097 u	0.01 u
Benzo(k)fluoranthene	mg/l					0.0097 u	0.01 u
Benzyl alcohol	mg/l					0.0097 u	0.01 u
bis(2-Chloroethoxy)methane	mg/l					0.0097 u	0.01 u
bis(2-Chloroethyl)ether	mg/l					0.0097 u	0.01 u
bis(2-Chloroisopropyl)ether	mg/l					0.0097 u	0.01 u
bis(2-Ethylhexyl)phthalate	mg/l					0.0097 u	0.0006 u
Butyl benzyl phthalate	mg/l					0.0097 u	0.01 u
Chrysene	mg/l					0.0097 u	0.01 u
Dibenzofuran	mg/l					0.0097 u	0.01 u
Diethyl phthalate	mg/l					0.0097 u	0.01 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	10/4/2004	10/4/2004	10/11/2004	10/11/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050018	2410050017	2410120003	2410120002	2410190008	2410190007
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					

Dimethyl phthalate	mg/l					0.0097 u	0.01 u
Di-N-Butyl phthalate	mg/l					0.0097 u	0.01 u
Di-N-Octyl phthalate	mg/l					0.0097 u	0.01 u
Fluorene	mg/l					0.0097 u	0.01 u
Hexachlorobenzene	mg/l					0.00005 u	0.01 u
Hexachlorobutadiene	mg/l					0.0097 u	0.01 u
Hexachlorocyclopentadiene	mg/l					0.00005 u	0.00005 u
Hexachloroethane	mg/l					0.0097 u	0.01 u
Isophorone	mg/l					0.0097 u	0.01 u
Nitrobenzene	mg/l					0.0097 u	0.01 u
N-Nitrosodimethylamine	mg/l					0.0097 u	0.01 u
N-Nitroso-di-N-propylamine	mg/l					0.0097 u	0.01 u
N-Nitrosodiphenylamine	mg/l					0.0097 u	0.01 u
Pyrene	mg/l					0.0097 u	0.01 u
1,2-Diphenylhydrazine	ug/l					9.7 u	10 u
2,4,6-Trichlorophenol	ug/l					9.7 u	10 u
2,4-Dimethylphenol	ug/l					9.7 u	10 u
2,4-Dinitrophenol	ug/l					19 u	20 u
2-Chlorophenol	ug/l					9.7 u	10 u
Acenaphthylene	ug/l					9.7 u	10 u
Atrazine	ug/l					0.05 u	0.05 u
Benz(a)anthracene	ug/l					9.7 u	10 u
Benzo(a)pyrene	ug/l					9.7 u	10 u
Benzo(b)fluoranthene	ug/l					9.7 u	10 u
Dibenz(a,h)anthracene	ug/l					9.7 u	10 u
Fluoranthene	ug/l					9.7 u	10 u
Indeno(1,2,3-cd)pyrene	ug/l					9.7 u	10 u
Naphthalene	ug/l					9.7 u	10 u
p-Chloro-m-cresol	ug/l					9.7 u	10 u
Pentachlorophenol	ug/l					19 u	20 u
Phenanthrene	ug/l					9.7 u	10 u
Phenol	ug/l					9.7 u	10 u
<b>VOAs</b>							
1,1,1-Trichloroethane	mg/l					0.0005 u	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l					0.0005 u	0.0005 u
1,1,2-Trichloroethane	mg/l					0.0005 u	0.0005 u
1,1-Dichloroethane	mg/l					0.004 v	0.0022 v
1,1-Dichloroethene	mg/l					0.0005 u	0.0005 u
1,2,4-Trichlorobenzene	mg/l					0.0097 u	0.01 u
1,2-Dichlorobenzene	mg/l					0.0097 u	0.01 u
1,2-Dichloroethane	mg/l					0.0005 u	0.0005 u
1,2-Dichloropropane	mg/l					0.0005 u	0.0005 u
1,3-Dichlorobenzene	mg/l					0.0097 u	0.01 u

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	10/4/2004	10/4/2004	10/11/2004	10/11/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050018	2410050017	2410120003	2410120002	2410190008	2410190007
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					

1,4-Dichlorobenzene	mg/l					0.0097 u	0.01 u
2-Hexanone	mg/l					0.01 u	0.01 u
4-Methyl-2-pentanone	mg/l					0.01 u	0.01 u
Acetone	mg/l					0.01 u	0.035 v
Acrolein	mg/l					0.05 u	0.05 u
Acrylonitrile	mg/l					0.05 u	0.05 u
Bromodichloromethane	mg/l					0.0005 u	0.0005 u
Bromoform	mg/l					0.0005 u	0.0005 u
Bromomethane	mg/l					0.0005 u	0.0005 u
Carbon disulfide	mg/l					0.0005 u	0.0006 v
Carbon tetrachloride	mg/l					0.0005 u	0.0005 u
Chlorobenzene	mg/l					0.0005 u	0.0005 u
Chloroethane	mg/l					0.0005 u	0.0005 u
Chloroform	mg/l					0.058 v	0.0048 v
Chloromethane	mg/l					0.0005 u	0.0005 u
cis-1,2-Dichloroethene	mg/l					0.0005 u	0.0005 u
cis-1,3-Dichloropropene	mg/l					0.0005 u	0.0005 u
Dibromochloromethane	mg/l					0.0005 u	0.0005 u
Dichlorodifluoromethane	mg/l					0.0005 u	0.0005 u
m,p-Xylene	mg/l					0.0005 u	0.0005 u
Methyl ethyl ketone	mg/l					0.01 u	0.01 u
Methylene chloride	mg/l					0.003 u	0.0087 v
o-Xylene	mg/l					0.0005 u	0.0005 u
Styrene	mg/l					0.0005 u	0.0005 u
Tetrachloroethene	mg/l					0.0006 v	0.0005 u
trans-1,2-Dichloroethylene	mg/l					0.0005 u	0.0005 u
trans-1,3-Dichloropropene	mg/l					0.0005 u	0.0005 u
Trichloroethene	mg/l					0.0013 v	0.0005 u
Trichlorofluoromethane	mg/l					0.0005 u	0.0005 u
Vinylacetate	mg/l					0.01 u	0.01 u
Vinylchloride	mg/l					0.0005 u	0.0005 u
Benzene	ug/l					0.5 u	0.5 u
Ethylbenzene	ug/l					0.5 u	0.5 u
Toluene	ug/l					0.5 u	0.5 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:26:58 PM

Sample Type:	Station (Site)	Influent	IX Effluent
Water	Sample Date	10/25/2004	10/25/2004
	Lab	MWL	MWL
	Lab Number	2410260177	2410260176
	Sample Number	INFLUENT	IX EFFLUENT
	Remarks		
	Superseded		

## Other

Apparent Color	ACU	5 v	10 v
Surfactants	mg/l		
Total Dissolved Solids	mg/l	6340 v	6010 v
Total Organic Carbon	mg/l		
Total Suspended Solids	mg/l		26 v
Laboratory pH	s.u.	7.2 v	6.4 v

## Metals

Antimony	mg/l		
Arsenic	mg/l		
Barium	mg/l		
Beryllium	mg/l		
Boron	mg/l		3.8 v
Cadmium	mg/l		
Chromium	mg/l	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0024 v	0.0001 u
Copper	mg/l		
Iron	mg/l		4.7 v
Lead	mg/l		
Magnesium	mg/l		
Manganese	mg/l		0.6 vd
Mercury	mg/l		
Molybdenum	mg/l		
Nickel	mg/l		
Potassium	mg/l		
Selenium	mg/l		
Sodium	mg/l		
Strontium	mg/l		
Thallium	mg/l		
Vanadium	mg/l		
Zinc	mg/l		
Arsenic III	ug/l		

## Inorganics

Percent Unionized Ammonia	%	0.873 v	0.139 v
25C			
Ammonia (as N)	mg/l	0.094 v	0.84 v
Biochemical oxygen demand	mg/l	3 u	6.8 v
Chemical oxygen demand	mg/l		
Chloride	mg/l	1800 vd	2100 vd
Nitrate (as N)	mg/l	12 vd	2.5 ud
Nitrate/Nitrite	mg/l	12.1 v	0.84 v
Nitrite	mg/l	2 ud	2.5 ud
Sulfate	mg/l		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:26:58 PM

Sample Type:	Station (Site)	Influent	IX Effluent
Water	Sample Date	10/25/2004	10/25/2004
	Lab	MWL	MWL
	Lab Number	2410260177	2410260176
	Sample Number	INFLUENT	IX EFFLUENT
	Remarks		
	Superseded		

sulfide	mg/l	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	5.2 v
Total Phosphorus-P	mg/l	0.07 v	0.51 v
Chlorate	ug/l	430000 vd	20 ud
Perchlorate	ug/l	220000 vd	8 ud

#### Radiologic

Gross Alpha	pCi/l		16 v
Ra-226 - soluble	pCi/l		0.645 u
Ra-228 - soluble	pCi/l		0.921 u

#### Dioxins and Furans

Tetrahydrofuran	ug/l		
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#### Herbicides

2,4,5-T	ug/l		
2,4,5-TP (Silvex)	ug/l		
2,4-D	ug/l		
2,4-DB	ug/l		
Dalapon	ug/l		
Dicamba	ug/l		
Dichlorprop	ug/l		
Dinoseb	ug/l		

#### Hydrocarbon

Oil and grease	mg/l	5 u	5 u
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#### PCBs

Aroclor-1016	ug/l		
Aroclor-1221	ug/l		
Aroclor-1232	ug/l		
Aroclor-1242	ug/l		
Aroclor-1248	ug/l		
Aroclor-1254	ug/l		
Aroclor-1260	ug/l		

#### Pesticides

4,4-DDD	ug/l		
4,4-DDE	ug/l		
4,4-DDT	ug/l		
Aldrin	ug/l		
Alpha-BHC	ug/l		
Beta-BHC	ug/l		
bis(2-ethylhexyl)adipate	ug/l		
Delta-BHC	ug/l		
Dieldrin	ug/l		
Endosulfan I	ug/l		
Endosulfan II	ug/l		
Endosulfan Sulfate	ug/l		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:26:58 PM

Sample Type:	Station (Site)	Influent	IX Effluent
Water	Sample Date	10/25/2004	10/25/2004
	Lab	MWL	MWL
	Lab Number	2410260177	2410260176
	Sample Number	INFLUENT	IX EFFLUENT
	Remarks		
	Superseded		

Endrin	ug/l
Endrin Aldehyde	ug/l
Endrin Ketone	ug/l
Gamma-BHC (Lindane)	ug/l
Heptachlor	ug/l
Heptachlor Epoxide	ug/l
Methoxychlor	ug/l
Molinate	ug/l
Simazine	ug/l
Thiobencarb	ug/l
Toxaphene	ug/l
SVOAs	
2,4,5-Trichlorophenol	mg/l
2,4-Dichlorophenol	mg/l
2,4-Dinitrotoluene	mg/l
2,6-Dinitrotoluene	mg/l
2-Chloronaphthalene	mg/l
2-Methylnaphthalene	mg/l
2-Methylphenol	mg/l
2-Nitroaniline	mg/l
2-Nitrophenol	mg/l
3,3-Dichlorobenzidine	mg/l
3-Nitroaniline	mg/l
4,6-Dinitro-2-methylphenol	mg/l
4-Bromophenyl-phenylether	mg/l
4-Chloroaniline	mg/l
4-Chlorophenyl-phenylether	mg/l
4-Methylphenol	mg/l
4-Nitroaniline	mg/l
4-Nitrophenol	mg/l
Acenaphthene	mg/l
Anthracene	mg/l
Benzo(g,h,i)perylene	mg/l
Benzo(k)fluoranthene	mg/l
Benzyl alcohol	mg/l
bis(2-Chloroethoxy)methane	mg/l
bis(2-Chloroethyl)ether	mg/l
bis(2-Chloroisopropyl)ether	mg/l
bis(2-Ethylhexyl)phthalate	mg/l
Butyl benzyl phthalate	mg/l
Chrysene	mg/l
Dibenzofuran	mg/l
Diethyl phthalate	mg/l

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:26:58 PM

Sample Type:	Station (Site)	Influent	IX Effluent
Water	Sample Date	10/25/2004	10/25/2004
	Lab	MWL	MWL
	Lab Number	2410260177	2410260176
	Sample Number	INFLUENT	IX EFFLUENT
	Remarks		
	Superseded		

Dimethyl phthalate	mg/l
Di-N-Butyl phthalate	mg/l
Di-N-Octyl phthalate	mg/l
Fluorene	mg/l
Hexachlorobenzene	mg/l
Hexachlorobutadiene	mg/l
Hexachlorocyclopentadiene	mg/l
Hexachloroethane	mg/l
Isophorone	mg/l
Nitrobenzene	mg/l
N-Nitrosodimethylamine	mg/l
N-Nitroso-di-N-propylamine	mg/l
N-Nitrosodiphenylamine	mg/l
Pyrene	mg/l
1,2-Diphenylhydrazine	ug/l
2,4,6-Trichlorophenol	ug/l
2,4-Dimethylphenol	ug/l
2,4-Dinitrophenol	ug/l
2-Chlorophenol	ug/l
Acenaphthylene	ug/l
Atrazine	ug/l
Benz(a)anthracene	ug/l
Benzo(a)pyrene	ug/l
Benzo(b)fluoranthene	ug/l
Dibenz(a,h)anthracene	ug/l
Fluoranthene	ug/l
Indeno(1,2,3-cd)pyrene	ug/l
Naphthalene	ug/l
p-Chloro-m-cresol	ug/l
Pentachlorophenol	ug/l
Phenanthrene	ug/l
Phenol	ug/l
<b>VOAs</b>	
1,1,1-Trichloroethane	mg/l
1,1,2,2-Tetrachloroethane	mg/l
1,1,2-Trichloroethane	mg/l
1,1-Dichloroethane	mg/l
1,1-Dichloroethene	mg/l
1,2,4-Trichlorobenzene	mg/l
1,2-Dichlorobenzene	mg/l
1,2-Dichloroethane	mg/l
1,2-Dichloropropane	mg/l
1,3-Dichlorobenzene	mg/l

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:26:58 PM

Sample Type:	Station (Site)	Influent	IX Effluent
Water	Sample Date	10/25/2004	10/25/2004
	Lab	MWL	MWL
	Lab Number	2410260177	2410260176
	Sample Number	INFLUENT	IX EFFLUENT
	Remarks		
	Superseded		

1,4-Dichlorobenzene	mg/l
2-Hexanone	mg/l
4-Methyl-2-pentanone	mg/l
Acetone	mg/l
Acrolein	mg/l
Acrylonitrile	mg/l
Bromodichloromethane	mg/l
Bromoform	mg/l
Bromomethane	mg/l
Carbon disulfide	mg/l
Carbon tetrachloride	mg/l
Chlorobenzene	mg/l
Chloroethane	mg/l
Chloroform	mg/l
Chloromethane	mg/l
cis-1,2-Dichloroethene	mg/l
cis-1,3-Dichloropropene	mg/l
Dibromochloromethane	mg/l
Dichlorodifluoromethane	mg/l
m,p-Xylene	mg/l
Methyl ethyl ketone	mg/l
Methylene chloride	mg/l
o-Xylene	mg/l
Styrene	mg/l
Tetrachloroethene	mg/l
trans-1,2-Dichloroethylene	mg/l
trans-1,3-Dichloropropene	mg/l
Trichloroethene	mg/l
Trichlorofluoromethane	mg/l
Vinylacetate	mg/l
Vinylchloride	mg/l
Benzene	ug/l
Ethylbenzene	ug/l
Toluene	ug/l

See analytical flag codes on last page.

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:33:44 PM

Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	11/1/2004	11/1/2004	11/3/2004	11/3/2004	11/8/2004	11/8/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2411020011	2411020010	2411040148	2411040147	2411090014	2411090013
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					
<b>Other</b>							
Apparent Color	ACU	5 v	10 v			10 v	
Total Dissolved Solids	mg/l	6390 v	6100 v			6300 v	6110 v
Total Suspended Solids	mg/l		18 v				25 v
Laboratory pH	s.u.	7.7 v	7.2 v			7.7 v	7.1 v
<b>Metals</b>							
Boron	mg/l		3.9 v				3.6 vd
Chromium	mg/l	0.03 vd	0.005 ud			0.0093 vd	0.005 ud
Chromium-hexavalent	mg/l	0.0343 v	0.0001 u			0.001 v	0.0001 u
Iron	mg/l		2.7 v				3.8 vd
Manganese	mg/l		0.71 vd				0.62 vd
<b>Inorganics</b>							
Percent Unionized Ammonia	%	2.71 v	0.873 v			2.71 v	0.695 v
25C							
Ammonia (as N)	mg/l	0.34 v	0.79 v			0.05 u	0.94 v
Biochemical oxygen demand	mg/l			3 u	4.2 v		
Chloride	mg/l	1900 vd	2100 vd			1800 vd	2200 vd
Nitrate (as N)	mg/l	10 vd	2 ud			8.7 vd	2 ud
Nitrate/Nitrite	mg/l	17.3 v	0.79 v			8.7 v	0.94 v
Nitrite	mg/l	7 vd	2 ud			2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u			0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	4.4 v			0.2 u	3.8 v
Total Phosphorus-P	mg/l	0.066 v	0.34 v			0.043 v	0.24 v
Chlorate	ug/l	430000 vd	20 ud			420000 vd	50 vd
Perchlorate	ug/l	210000 vd	8 ud			210000 vd	8 ud
<b>Radiologic</b>							
Gross Alpha	pCi/l		17 v				23 v
Ra-226 - soluble	pCi/l		0.934 u				0.808 u
Ra-228 - soluble	pCi/l		1.09 u				0.71 v
<b>Hydrocarbon</b>							
Oil and grease	mg/l	5 u	5 u			5 u	

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:33:44 PM

Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	11/10/2004	11/10/2004	11/15/2004	11/15/2004	11/17/2004	11/17/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2411110060	2411110061	2411160004	2411160003	2411180193	2411180192
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					
	Other						
Apparent Color	ACU		10 v	5 v	5 v		
Total Dissolved Solids	mg/l			6420 v	6090 v		
Total Suspended Solids	mg/l				18 v		
Laboratory pH	s.u.			7.7 v	7.1 v		
	Metals						
Boron	mg/l				3.5 vd		
Chromium	mg/l			0.014 vd	0.005 ud		
Chromium-hexavalent	mg/l			0.0113 v	0.0001 u ✓		
Iron	mg/l				2.3 vd		
Manganese	mg/l				0.61 vd		
	Inorganics						
Percent Unionized Ammonia	%			2.71 v	0.695 v		
25C							
Ammonia (as N)	mg/l			0.12 v	1 v		
Biochemical oxygen demand	mg/l	3 u	10.5 v			3 u	4.5 v
Chloride	mg/l			1800 vd	2000 vd		
Nitrate (as N)	mg/l			8.6 vd	2 ud		
Nitrate/Nitrite	mg/l			8.72 v	1 v		
Nitrite	mg/l			2 ud	2 ud		
sulfide	mg/l			0.1 u	0.1 u		
Total Kjeldahl Nitrogen	mg/l			0.2 u	3.2 v		
Total Phosphorus-P	mg/l			0.01 u	0.42 v		
Chlorate	ug/l			420000 vd	20 ud		
Perchlorate	ug/l			190000 vd	8 ud		
	Radiologic						
Gross Alpha	pCi/l				17 v		
Ra-226 - soluble	pCi/l				0.969 v		
Ra-228 - soluble	pCi/l				0.7 u		
	Hydrocarbon						
Oil and grease	mg/l		5 u	5 u	5 u		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:33:44 PM

Sample Type:	Station (Site)	Influent	IX Effluent
Water	Sample Date	11/23/2004	11/23/2004
	Lab	MWL	MWL
	Lab Number	2411240065	2411240064
	Sample Number	INFLUENT	IX EFFLUENT
	Remarks		
	Superseded		

### Other

Apparent Color	ACU	10 v	10 v
Total Dissolved Solids	mg/l	6280 v	5980 v
Total Suspended Solids	mg/l		16 v
Laboratory pH	s.u.	7.4 v	6.5 v

### Metals

Boron	mg/l		3.6 v
Chromium	mg/l	0.07 vd	0.005 ud
Chromium-hexavalent	mg/l	0.073 vd	0.0001 u
Iron	mg/l		2.5 v
Manganese	mg/l		0.61 vd

### Inorganics

Percent Unionized Ammonia	%	1.38 v	0.175 v
25C			
Ammonia (as N)	mg/l	0.05 u	0.92 v
Biochemical oxygen demand	mg/l	3 u	4.5 v
Chloride	mg/l	1800 vd	2000 vd
Nitrate (as N)	mg/l	18 vd	3 ud
Nitrate/Nitrite	mg/l	18 v	0.92 v
Nitrite	mg/l	2 ud	3 ud
sulfide	mg/l	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	2.9 v
Total Phosphorus-P	mg/l	0.1 v	0.49 v
Chlorate	ug/l	420000 vd	20 ud
Perchlorate	ug/l	73000 vd	4 ud

### Radiologic

Gross Alpha	pCi/l		11.8 u
Ra-226 - soluble	pCi/l		0.551 v
Ra-228 - soluble	pCi/l		1.07 v

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u
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### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:34:47 PM

Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	12/1/2004	12/1/2004	12/6/2004	12/6/2004	12/8/2004	12/8/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2412020008	2412020007	2412070002	2412070001	2412090234	2412090232
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					
<b>Other</b>							
Apparent Color	ACU	10 v	15 v	5 v	10 v		
Total Dissolved Solids	mg/l	6410 v	5980 v	6220 v	5850 v		
Total Suspended Solids	mg/l		18 v		21 v		
Laboratory pH	s.u.	7.4 v	6.8 v	7.4 v	6.7 v		
<b>Metals</b>							
Boron	mg/l		3.6 vd		3.4 vd		
Chromium	mg/l	0.033 vd	0.014 vd	0.017 vd	0.005 ud		
Chromium-hexavalent	mg/l	0.0399 v	0.0001 v ✓	0.0042 v	0.0001 u ✓		
Iron	mg/l		2.9 vd		2.6 vd		
Manganese	mg/l		0.55 vd		0.5 vd		
<b>Inorganics</b>							
Percent Unionized Ammonia	%	1.38 v	0.349 v	1.38 v	0.278 v		
25C							
Ammonia (as N)	mg/l	0.05 u	0.68 v	0.43 v	1.3 v		
Biochemical oxygen demand	mg/l	3 u	4.09 v			3 u	3 u
Chloride	mg/l	1800 vd	2000 vd	1800 vd	2000 vd		
Nitrate (as N)	mg/l	18 vd	2.5 ud	17 vd	2 ud		
Nitrate/Nitrite	mg/l	18 v	0.68 v	17.4 v	1.3 v		
Nitrite	mg/l	2 ud	2.5 ud	2 ud	2 ud		
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u		
Total Kjeldahl Nitrogen	mg/l	0.2 u	2.7 v	0.2 u	4.1 v		
Total Phosphorus-P	mg/l	0.049 v	0.35 v	0.073 v	0.39 v		
Chlorate	ug/l	410000 vd	20 ud	400000 vd	20 ud		
Perchlorate	ug/l	190000 vd	220 vd	180000 vd	4 ud		
<b>Radiologic</b>							
Gross Alpha	pCi/l		23 v		28 v		
Ra-226 - soluble	pCi/l		0.646 v		0.275 v		
Ra-228 - soluble	pCi/l		1.15 v		1.01 u		
<b>Hydrocarbon</b>							
Oil and grease	mg/l	5 u	5 u	5 u	5 u		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:34:47 PM

Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	12/13/2004	12/13/2004	12/15/2004	12/15/2004	12/20/2004	12/20/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2412140016	2412140015	2412160194	2412160193	2412210022	2412210021
	Sample Number	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT	INFLUENT	IX EFFLUENT
	Remarks	Superseded					
<b>Other</b>							
Apparent Color	ACU	10 v	20 v			10 v	10 v
Total Dissolved Solids	mg/l	6350 v	5890 v			5890 v	5880 v
Total Suspended Solids	mg/l		34 v				21 v
Laboratory pH	s.u.	7.2 v	6.4 v			7.3 v	6.7 v
<b>Metals</b>							
Boron	mg/l		3.4 vd				3.2 vd
Chromium	mg/l	0.0079 vd	0.0092 vd			0.021 vd	0.0044 v
Chromium-hexavalent	mg/l	0.0032 v	0.0001 u✓			0.0227 v	0.0001 u✓
Iron	mg/l		4.3 vd				3 vd
Manganese	mg/l		0.59 vd				0.55 vd
<b>Inorganics</b>							
Percent Unionized Ammonia	%	0.873 v	0.139 v			1.1 v	0.278 v
25C							
Ammonia (as N)	mg/l	0.05 u	1.2 v			2 v	0.9 v
Biochemical oxygen demand	mg/l			3 u	5 v		
Chloride	mg/l	1700 vd	1900 vd			1700 vd	1900 vd
Nitrate (as N)	mg/l	16 vd	2 ud			65 vd	2.5 ud
Nitrate/Nitrite	mg/l	16 v	1.2 v			67 v	0.9 v
Nitrite	mg/l	2 ud	2 ud			2 ud	2.5 ud
sulfide	mg/l	0.1 u	0.1 u			0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	5.3 v			0.2 u	2.5 v
Total Phosphorus-P	mg/l	0.01 u	0.56 v			0.01 u	0.27 v
Chlorate	ug/l	450000 vd	20 ud			440000 vd	50 ud
Perchlorate	ug/l	200000 vd	4 ud			180000 vd	4 ud
<b>Radiologic</b>							
Gross Alpha	pCi/l		21 v				22 v
Ra-226 - soluble	pCi/l		0.865 u				0.566 u
Ra-228 - soluble	pCi/l		1.72 v				0.69 u
<b>Hydrocarbon</b>							
Oil and grease	mg/l	5 u	5 u			5 u	5 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:34:48 PM

Sample Type:	Station (Site)	Influent	IX Effluent	Influent	IX Effluent	Influent	IX Effluent
Water	Sample Date	12/22/2004	12/22/2004	12/27/2004	12/27/2004	12/29/2004	12/29/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2412230104	2412230102	2412280009	2412280008	2412300095	2412300094
	Sample Number	INFLUENT	IX EFFLUENT	z	z	INFLUENT	IX EFFLUENT
	Remarks	Superceded					

**Other**

Apparent Color	ACU		10 v	15 v
Total Dissolved Solids	mg/l		6090 v	5730 v
Total Suspended Solids	mg/l			28 v
Laboratory pH	s.u.		7.4 v	6.7 v

**Metals**

Boron	mg/l			3.3 vd
Chromium	mg/l		0.027 vd	0.0082 vd
Chromium-hexavalent	mg/l		0.0174 v	0.0001 u ✓
Iron	mg/l			2.9 vd
Manganese	mg/l			0.47 vd

**Inorganics**

Percent Unionized Ammonia	%		1.38 v	0.278 v
25C				
Ammonia (as N)	mg/l		0.05 u	1.1 v
Biochemical oxygen demand	mg/l	3 u	3 v	
Chloride	mg/l		1700 vd	1900 vd
Nitrate (as N)	mg/l		9.4 vd	1.5 ud
Nitrate/Nitrite	mg/l		9.4 v	1.1 v
Nitrite	mg/l		2 ud	1.5 ud
sulfide	mg/l		0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l		0.2 u	5.1 v
Total Phosphorus-P	mg/l		0.01 u	0.63 v
Chlorate	ug/l		380000 vd	20 ud
Perchlorate	ug/l		160000 vd	4 ud

**Radiologic**

Gross Alpha	pCi/l			24 v
Ra-226 - soluble	pCi/l			0.626 v
Ra-228 - soluble	pCi/l			1 u

**Hydrocarbon**

Oil and grease	mg/l		5 u	5 u
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**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:10:59 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient	LVW 0.55	LVW 5.5
Water	Sample Date	10/4/2004	10/4/2004	10/4/2004	10/4/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050023	2410050022	2410050021	2410050020	2410190013	2410190016
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT	LVW 0.55	LVW 5.5
	Remarks	Superseded					

AG A

Other							
Apparent Color	ACU		15 v	15 v	15 v		15 v
Surfactants	mg/l						0.081 v
Total Dissolved Solids	mg/l		1730 v	1760 v	1700 v		1690 v
Total Organic Carbon	mg/l						5.2 v
Total Suspended Solids	mg/l						10 u
Laboratory pH	s.u.						7.9 v

Metals							
Antimony	mg/l						0.001 u
Arsenic	mg/l						0.0068 v
Barium	mg/l						0.057 v
Beryllium	mg/l						0.001 u
Boron	mg/l		0.75 v	0.76 v	0.7 v		0.72 vd
Cadmium	mg/l						0.0005 u
Chromium	mg/l		0.001 u	0.001 u	0.001 u		0.001 u
Chromium-hexavalent	mg/l						0.005 u
Copper	mg/l		0.0028 v	0.0026 v	0.0022 v		0.0028 v
Iron	mg/l		0.14 v	0.16 v	0.12 v		0.14 vd
Lead	mg/l						0.0005 u
Magnesium	mg/l						75 v
Manganese	mg/l		0.052 v	0.056 v	0.045 v		0.047 v
Mercury	mg/l						0.0002 u
Molybdenum	mg/l		0.021 v	0.022 v	0.018 v		0.019 v
Nickel	mg/l						0.0076 v
Potassium	mg/l						25 v
Selenium	mg/l						0.005 u
Sodium	mg/l						260 v
Strontium	mg/l						2.7 v
Thallium	mg/l						0.001 u
Vanadium	mg/l						0.0056 v
Zinc	mg/l						0.044 v
Arsenic III	ug/l						4.9 v

Inorganics							
* Ammonia (as N)	mg/l	0.05 u	0.058 v	0.065 v	0.05 u	0.05 u	0.13 v
Biochemical oxygen demand	mg/l						3 u
Chemical oxygen demand	mg/l						16 v
Chloride	mg/l		310 vd	310 vd	290 vd		300 vd
Fluoride	mg/l		0.98 v	0.98 v	0.99 v		0.97 v
Nitrate (as N)	mg/l		13 vd	13 vd	13 vd		13 vd
Nitrate/Nitrite	mg/l		13.1 v	13.1 v	13 v		13.1 v
Nitrite	mg/l		1 ud	1 ud	1 ud		2 ud
Sulfate	mg/l						650 vd
sulfide	mg/l						0.1 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:10:59 PM

A# /

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient	LVW 0.55	LVW 5.5
Water	Sample Date	10/4/2004	10/4/2004	10/4/2004	10/4/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050023	2410050022	2410050021	2410050020	2410190013	2410190016
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT	LVW 0.55	LVW 5.5
	Remarks	Superseded					
Total Phosphorus-P	mg/l	0.11 v				0.11 v	0.12 v
Chlorate	ug/l						300 vd
Perchlorate	ug/l	150 vd	64 vd	66 vd	35 vd	150 vd	62 vd
<b>Radiologic</b>							
Gross Alpha	pCi/l		7.5 v	6.5 v	5.6 v		5.8 v
Ra-226 - soluble	pCi/l		1.1 u	1.17 v	0.897 u		0.743 u
Ra-228 - soluble	pCi/l		0.739 u	0.636 u	0.876 u		0.618 u
<b>Dioxins and Furans</b>							
Tetrahydrofuran	ug/l						10 u
<b>Herbicides</b>							
2,4,5-T	ug/l						0.4 u
2,4,5-TP (Silvex)	ug/l						0.4 u
2,4-D	ug/l						0.4 u
2,4-DB	ug/l						0.4 u
Dalapon	ug/l						0.47 v
Dicamba	ug/l						0.4 u
Dichlorprop	ug/l						0.4 u
Dinoseb	ug/l						0.4 u
<b>Hydrocarbon</b>							
Oil and grease	mg/l						5 u
<b>PCBs</b>							
Aroclor-1016	ug/l						0.94 u
Aroclor-1221	ug/l						0.94 u
Aroclor-1232	ug/l						0.94 u
Aroclor-1242	ug/l						0.94 u
Aroclor-1248	ug/l						0.94 u
Aroclor-1254	ug/l						0.94 u
Aroclor-1260	ug/l						0.94 u
<b>Pesticides</b>							
4,4-DDD	ug/l						0.02 u
4,4-DDE	ug/l						0.02 u
4,4-DDT	ug/l						0.02 u
Aldrin	ug/l						v
Alpha-BHC	ug/l						v
Beta-BHC	ug/l						0.02 u
bis(2-ethylhexyl)adipate	ug/l						0.6 u
Delta-BHC	ug/l						0.02 u
Dieldrin	ug/l						0.02 u
Endosulfan I	ug/l						0.02 u
Endosulfan II	ug/l						0.02 u
Endosulfan Sulfate	ug/l						0.02 u
Endrin	ug/l						0.01 u
Endrin Aldehyde	ug/l						0.02 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:10:59 PM

AH A

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient	LVW 0.55	LVW 5.5
Water	Sample Date	10/4/2004	10/4/2004	10/4/2004	10/4/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050023	2410050022	2410050021	2410050020	2410190013	2410190016
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT	LVW 0.55	LVW 5.5
	Remarks	Superseded					

Endrin Ketone	ug/l						0.5 u
Gamma-BHC (Lindane)	ug/l						0.02 u
Heptachlor	ug/l						0.01 u
Heptachlor Epoxide	ug/l						0.01 u
Methoxychlor	ug/l						0.2 u
Mirex	ug/l						
Molinate	ug/l						0.2 u
Simazine	ug/l						0.05 u
Thiobencarb	ug/l						0.2 u
Toxaphene	ug/l						0.5 u

SVOAs

2,4,5-Trichlorophenol	mg/l						0.0094 u
2,4-Dichlorophenol	mg/l						0.0094 u
2,4-Dinitrotoluene	mg/l						0.019 u
2,6-Dinitrotoluene	mg/l						0.0094 u
2-Chloronaphthalene	mg/l						0.0094 u
2-Methylnaphthalene	mg/l						0.0094 u
2-Methylphenol	mg/l						0.0094 u
2-Nitroaniline	mg/l						0.0094 u
2-Nitrophenol	mg/l						0.0094 u
3,3-Dichlorobenzidine	mg/l						0.0094 u
3-Nitroaniline	mg/l						0.0094 u
4,6-Dinitro-2-methylphenol	mg/l						0.019 u
4-Bromophenyl-phenylether	mg/l						0.0094 u
4-Chloroaniline	mg/l						0.0094 u
4-Chlorophenyl-phenylether	mg/l						0.0094 u
4-Methylphenol	mg/l						0.0094 u
4-Nitroaniline	mg/l						0.0094 u
4-Nitrophenol	mg/l						0.019 u
Acenaphthene	mg/l						0.0094 u
Anthracene	mg/l						0.0094 u
Benzo(g,h,i)perylene	mg/l						0.0094 u
Benzo(k)fluoranthene	mg/l						0.0094 u
Benzyl alcohol	mg/l						0.0094 u
bis(2-Chloroethoxy)methane	mg/l						0.0094 u
bis(2-Chloroethyl)ether	mg/l						0.0094 u
bis(2-Chloroisopropyl)ether	mg/l						0.0094 u
bis(2-Ethylhexyl)phthalate	mg/l						0.0006 u
Butyl benzyl phthalate	mg/l						0.0094 u
Chrysene	mg/l						0.0094 u
Dibenzofuran	mg/l						0.0094 u
Diethyl phthalate	mg/l						0.0094 u
Dimethyl phthalate	mg/l						0.0094 u

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:10:59 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient	LVW 0.55	LVW 5.5
Water	Sample Date	10/4/2004	10/4/2004	10/4/2004	10/4/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050023	2410050022	2410050021	2410050020	2410190013	2410190016
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT	LVW 0.55	LVW 5.5
	Remarks	Superseded					

f.1. f

Di-N-Butyl phthalate	mg/l						0.0094 u
Di-N-Octyl phthalate	mg/l						0.0094 u
Fluorene	mg/l						0.0094 u
Hexachlorobenzene	mg/l						0.00005 u
Hexachlorobutadiene	mg/l						0.0094 u
Hexachlorocyclopentadiene	mg/l						0.00005 u
Hexachloroethane	mg/l						0.0094 u
Isophorone	mg/l						0.0094 u
Nitrobenzene	mg/l						0.0094 u
N-Nitrosodimethylamine	mg/l						0.0094 u
N-Nitroso-di-N-propylamine	mg/l						0.0094 u
N-Nitrosodiphenylamine	mg/l						0.0094 u
Pyrene	mg/l						0.0094 u
1,2-Diphenylhydrazine	ug/l						9.4 u
2,4,6-Trichlorophenol	ug/l						9.4 u
2,4-Dimethylphenol	ug/l						9.4 u
2,4-Dinitrophenol	ug/l						19 u
2-Chlorophenol	ug/l						9.4 u
Acenaphthylene	ug/l						9.4 u
Atrazine	ug/l						0.05 u
Benz(a)anthracene	ug/l						9.4 u
Benzo(a)pyrene	ug/l						0.02 u
Benzo(b)fluoranthene	ug/l						9.4 u
Dibenz(a,h)anthracene	ug/l						9.4 u
Fluoranthene	ug/l						9.4 u
Indeno(1,2,3-cd)pyrene	ug/l						9.4 u
Naphthalene	ug/l						9.4 u
p-Chloro-m-cresol	ug/l						9.4 u
Pentachlorophenol	ug/l						19 u
Phenanthrene	ug/l						9.4 u
Phenol	ug/l						9.4 u
<b>VOAs</b>							
1,1,1-Trichloroethane	mg/l						0.0005 u
1,1,2,2-Tetrachloroethane	mg/l						0.0005 u
1,1,2-Trichloroethane	mg/l						0.0005 u
1,1-Dichloroethane	mg/l						0.0005 u
1,1-Dichloroethene	mg/l						0.0005 u
1,2,4-Trichlorobenzene	mg/l						0.0094 u
1,2-Dichlorobenzene	mg/l						0.0094 u
1,2-Dichloroethane	mg/l						0.0005 u
1,2-Dichloropropane	mg/l						0.0005 u
1,3-Dichlorobenzene	mg/l						0.0094 u
1,4-Dichlorobenzene	mg/l						0.0094 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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AHA

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient	LVW 0.55	LVW 5.5
Water	Sample Date	10/4/2004	10/4/2004	10/4/2004	10/4/2004	10/18/2004	10/18/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2410050023	2410050022	2410050021	2410050020	2410190013	2410190016
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT	LVW 0.55	LVW 5.5
	Remarks	Superoeded					

2-Hexanone	mg/l						0.01 u
4-Methyl-2-pentanone	mg/l						0.01 u
Acetone	mg/l						0.01 u
Acrolein	mg/l						0.05 u
Acrylonitrile	mg/l						0.05 u
Bromodichloromethane	mg/l						0.0014 v
Bromoform	mg/l						0.0005 u
Bromomethane	mg/l						0.0005 u
Carbon disulfide	mg/l						0.0005 u
Carbon tetrachloride	mg/l						0.0005 u
Chlorobenzene	mg/l						0.0005 u
Chloroethane	mg/l						0.0005 u
Chloroform	mg/l						0.0034 v
Chloromethane	mg/l						0.0005 u
cis-1,2-Dichloroethene	mg/l						0.0005 u
cis-1,3-Dichloropropene	mg/l						0.0005 u
Dibromochloromethane	mg/l						0.0006 v
Dichlorodifluoromethane	mg/l						0.0005 u
m,p-Xylene	mg/l						0.0005 u
Methyl ethyl ketone	mg/l						0.01 u
Methylene chloride	mg/l						0.003 u
o-Xylene	mg/l						0.0005 u
Styrene	mg/l						0.0005 u
Tetrachloroethene	mg/l						0.0005 u
trans-1,2-Dichloroethylene	mg/l						0.0005 u
trans-1,3-Dichloropropene	mg/l						0.0005 u
Trichloroethene	mg/l						0.0005 u
Trichlorofluoromethane	mg/l						0.0005 u
Vinylacetate	mg/l						0.01 u
Vinylchloride	mg/l						0.0005 u
Benzene	ug/l						0.5 u
Ethylbenzene	ug/l						0.5 u
Toluene	ug/l						0.5 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	LVW 6.05	LVW Upgradient
Water	Sample Date	10/18/2004	10/18/2004
	Lab	MWL	MWL
	Lab Number	2410190015	2410190014
	Sample Number	LVW 6.05LVW UPGRADIENT	
	Remarks	Superceded	

## Other

Apparent Color	ACU	15 v	10 v
Surfactants	mg/l	0.06 v	0.095 v
Total Dissolved Solids	mg/l	1670 v	1700 v
Total Organic Carbon	mg/l	5 v	5.4 v
Total Suspended Solids	mg/l	14 v	10 u
Laboratory pH	s.u.	7.9 v	8 v

## Metals

Antimony	mg/l	0.001 u	0.001 u
Arsenic	mg/l	0.0071 v	0.0074 v
Barium	mg/l	0.058 v	0.05 v
Beryllium	mg/l	0.001 u	0.001 u
Boron	mg/l	0.74 vd	0.72 vd
Cadmium	mg/l	0.0005 u	0.0005 u
Chromium	mg/l	0.001 u	0.001 u
Chromium-hexavalent	mg/l	0.005 u	0.005 u
Copper	mg/l	0.0033 v	0.0025 v
Iron	mg/l	0.14 vd	0.13 vd
Lead	mg/l	0.0005 u	0.0005 u
Magnesium	mg/l	73 v	80 v
Manganese	mg/l	0.047 v	0.047 v
Mercury	mg/l	0.0002 u	0.0002 u
Molybdenum	mg/l	0.019 v	0.017 v
Nickel	mg/l	0.0082 v	0.0078 v
Potassium	mg/l	24 v	24 v
Selenium	mg/l	0.005 u	0.005 u
Sodium	mg/l	250 v	250 v
Strontium	mg/l	2.7 v	2.8 v
Thallium	mg/l	0.001 u	0.001 u
Vanadium	mg/l	0.0059 v	0.0055 v
Zinc	mg/l	0.045 v	0.041 v
Arsenic III	ug/l	4.1 v	6.3 v

## Inorganics

Ammonia (as N)	mg/l	0.11 v	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u
Chemical oxygen demand	mg/l	20 v	19 v
Chloride	mg/l	300 vd	280 vd
Fluoride	mg/l	1 v	1.1 v
Nitrate (as N)	mg/l	13 vd	14 vd
Nitrate/Nitrite	mg/l	13.1 v	14 v
Nitrite	mg/l	2 ud	2 ud
Sulfate	mg/l	650 vd	680 vd
sulfide	mg/l	0.1 u	0.1 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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		AAA	AAA
Sample Type:	Station (Site)	LVW 6.05	LVW Upgradient
Water	Sample Date	10/18/2004	10/18/2004
	Lab	MWL	MWL
	Lab Number	2410190015	2410190014
	Sample Number	LVW 6.05LVW UPGRADIENT	
	Remarks	Superseded	

Total Phosphorus-P	mg/l	0.13 v	0.1 v
Chlorate	ug/l	270 vd	100 vd
Perchlorate	ug/l	59 vd	37 vd
<b>Radiologic</b>			
Gross Alpha	pCi/l	6.8 v	3.8 v
Ra-226 - soluble	pCi/l	0.896 u	0.679 v
Ra-228 - soluble	pCi/l	0.979 u	0.545 u
<b>Dioxins and Furans</b>			
Tetrahydrofuran	ug/l	10 u	10 u
<b>Herbicides</b>			
2,4,5-T	ug/l	0.4 u	0.4 u
2,4,5-TP (Silvex)	ug/l	0.4 u	0.4 u
2,4-D	ug/l	0.4 u	0.4 u
2,4-DB	ug/l	0.4 u	0.4 u
Dalapon	ug/l	0.43 v	0.48 v
Dicamba	ug/l	0.4 u	0.4 u
Dichlorprop	ug/l	0.4 u	0.4 u
Dinoseb	ug/l	0.4 u	0.4 u
<b>Hydrocarbon</b>			
Oil and grease	mg/l	5 u	5 u
<b>PCBs</b>			
Aroclor-1016	ug/l	0.94 u	0.94 u
Aroclor-1221	ug/l	0.94 u	0.94 u
Aroclor-1232	ug/l	0.94 u	0.94 u
Aroclor-1242	ug/l	0.94 u	0.94 u
Aroclor-1248	ug/l	0.94 u	0.94 u
Aroclor-1254	ug/l	0.94 u	0.94 u
Aroclor-1260	ug/l	0.94 u	0.94 u
<b>Pesticides</b>			
4,4-DDD	ug/l	0.19 u	0.19 u
4,4-DDE	ug/l	0.19 u	0.19 u
4,4-DDT	ug/l	0.19 u	0.19 u
Aldrin	ug/l	v	0.094 u
Alpha-BHC	ug/l	v	v
Beta-BHC	ug/l	0.094 u	v
bis(2-ethylhexyl)adipate	ug/l	0.6 u	0.6 u
Delta-BHC	ug/l	0.094 u	0.094 u
Dieldrin	ug/l	0.19 u	0.19 u
Endosulfan I	ug/l	0.094 u	0.094 u
Endosulfan II	ug/l	0.19 u	0.19 u
Endosulfan Sulfate	ug/l	0.19 u	0.19 u
Endrin	ug/l	0.19 u	0.19 u
Endrin Aldehyde	ug/l	0.19 u	0.19 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	LVW 6.05	LVW Upgradient
Water	Sample Date	10/18/2004	10/18/2004
	Lab	MWL	MWL
	Lab Number	2410190015	2410190014
	Sample Number	LVW 6.05LVW UPGRADIENT	
	Remarks	Superseded	

Endrin Ketone	ug/l	0.5 u	0.19 u
Gamma-BHC (Lindane)	ug/l	0.094 u	0.094 u
Heptachlor	ug/l	0.094 u	0.094 u
Heptachlor Epoxide	ug/l	0.094 u	0.094 u
Methoxychlor	ug/l	0.94 u	
Mirex	ug/l		1.9 u
Molinate	ug/l	0.2 u	0.2 u
Simazine	ug/l	0.05 u	0.05 u
Thiobencarb	ug/l	0.2 u	0.2 u
Toxaphene	ug/l	1.9 u	0.5 u
SVOAs			
2,4,5-Trichlorophenol	mg/l	0.0094 u	0.0097 u
2,4-Dichlorophenol	mg/l	0.0094 u	0.0097 u
2,4-Dinitrotoluene	mg/l	0.019 u	0.019 u
2,6-Dinitrotoluene	mg/l	0.0094 u	0.0097 u
2-Chloronaphthalene	mg/l	0.0094 u	0.0097 u
2-Methylnaphthalene	mg/l	0.0094 u	0.0097 u
2-Methylphenol	mg/l	0.0094 u	0.0097 u
2-Nitroaniline	mg/l	0.0094 u	0.0097 u
2-Nitrophenol	mg/l	0.0094 u	0.0097 u
3,3-Dichlorobenzidine	mg/l	0.0094 u	0.0097 u
3-Nitroaniline	mg/l	0.0094 u	0.0097 u
4,6-Dinitro-2-methylphenol	mg/l	0.019 u	0.019 u
4-Bromophenyl-phenylether	mg/l	0.0094 u	0.0097 u
4-Chloroaniline	mg/l	0.0094 u	0.0097 u
4-Chlorophenyl-phenylether	mg/l	0.0094 u	0.0097 u
4-Methylphenol	mg/l	0.0094 u	0.0097 u
4-Nitroaniline	mg/l	0.0094 u	0.0097 u
4-Nitrophenol	mg/l	0.019 u	0.019 u
Acenaphthene	mg/l	0.0094 u	0.0097 u
Anthracene	mg/l	0.0094 u	0.0097 u
Benzo(g,h,i)perylene	mg/l	0.0094 u	0.0097 u
Benzo(k)fluoranthene	mg/l	0.0094 u	0.0097 u
Benzyl alcohol	mg/l	0.0094 u	0.0097 u
bis(2-Chloroethoxy)methane	mg/l	0.0094 u	0.0097 u
bis(2-Chloroethyl)ether	mg/l	0.0094 u	0.0097 u
bis(2-Chloroisopropyl)ether	mg/l	0.0094 u	0.0097 u
bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u	0.0006 u
Butyl benzyl phthalate	mg/l	0.0094 u	0.0097 u
Chrysene	mg/l	0.0094 u	0.0097 u
Dibenzofuran	mg/l	0.0094 u	0.0097 u
Diethyl phthalate	mg/l	0.0094 u	0.0097 u
Dimethyl phthalate	mg/l	0.0094 u	0.0097 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:10:59 PM

A L A A L A

Sample Type:	Station (Site)	LVW 6.05	LVW Upgradient
Water	Sample Date	10/18/2004	10/18/2004
	Lab	MWL	MWL
	Lab Number	2410190015	2410190014
	Sample Number	LVW 6.05LVW UPGRADIENT	
	Remarks	Superceded	

Di-N-Butyl phthalate	mg/l	0.0094 u	0.0097 u
Di-N-Octyl phthalate	mg/l	0.0094 u	0.0097 u
Fluorene	mg/l	0.0094 u	0.0097 u
Hexachlorobenzene	mg/l	0.00005 u	0.00005 u
Hexachlorobutadiene	mg/l	0.0094 u	0.0097 u
Hexachlorocyclopentadiene	mg/l	0.00005 u	0.00005 u
Hexachloroethane	mg/l	0.0094 u	0.0097 u
Isophorone	mg/l	0.0094 u	0.0097 u
Nitrobenzene	mg/l	0.0094 u	0.0097 u
N-Nitrosodimethylamine	mg/l	0.0094 u	0.0097 u
N-Nitroso-di-N-propylamine	mg/l	0.0094 u	0.0097 u
N-Nitrosodiphenylamine	mg/l	0.0094 u	0.0097 u
Pyrene	mg/l	0.0094 u	0.0097 u
1,2-Diphenylhydrazine	ug/l	9.4 u	9.7 u
2,4,6-Trichlorophenol	ug/l	9.4 u	9.7 u
2,4-Dimethylphenol	ug/l	9.4 u	9.7 u
2,4-Dinitrophenol	ug/l	19 u	19 u
2-Chlorophenol	ug/l	9.4 u	9.7 u
Acenaphthylene	ug/l	9.4 u	9.7 u
Atrazine	ug/l	0.05 u	0.05 u
Benz(a)anthracene	ug/l	9.4 u	9.7 u
Benzo(a)pyrene	ug/l	0.02 u	0.02 u
Benzo(b)fluoranthene	ug/l	9.4 u	9.7 u
Dibenz(a,h)anthracene	ug/l	9.4 u	9.7 u
Fluoranthene	ug/l	9.4 u	9.7 u
Indeno(1,2,3-cd)pyrene	ug/l	9.4 u	9.7 u
Naphthalene	ug/l	9.4 u	9.7 u
p-Chloro-m-cresol	ug/l	9.4 u	9.7 u
Pentachlorophenol	ug/l	19 u	19 u
Phenanthrene	ug/l	9.4 u	9.7 u
Phenol	ug/l	9.4 u	9.7 u
VOAs			
1,1,1-Trichloroethane	mg/l	0.0005 u	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u	0.0005 u
1,1-Dichloroethane	mg/l	0.0005 u	0.0005 u
1,1-Dichloroethene	mg/l	0.0005 u	0.0005 u
1,2,4-Trichlorobenzene	mg/l	0.0094 u	0.0097 u
1,2-Dichlorobenzene	mg/l	0.0094 u	0.0097 u
1,2-Dichloroethane	mg/l	0.0005 u	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u	0.0005 u
1,3-Dichlorobenzene	mg/l	0.0094 u	0.0097 u
1,4-Dichlorobenzene	mg/l	0.0094 u	0.0097 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:10:59 PM

Sample Type:	Station (Site)	LVW 6.05	LVW Upgradient
Water	Sample Date	10/18/2004	10/18/2004
	Lab	MWL	MWL
	Lab Number	2410190015	2410190014
	Sample Number	LVW 6.05	LVW UPGRADIENT
	Remarks		
	Superoeded		

	mg/l	0.01 u	0.01 u
2-Hexanone	mg/l	0.01 u	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u	0.01 u
Acetone	mg/l	0.01 u	0.01 u
Acrolein	mg/l	0.05 u	0.05 u
Acrylonitrile	mg/l	0.05 u	0.05 u
Bromodichloromethane	mg/l	0.0014 v	0.0012 v
Bromoform	mg/l	0.0005 u	0.0005 u
Bromomethane	mg/l	0.0005 u	0.0005 u
Carbon disulfide	mg/l	0.0005 u	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u	0.0005 u
Chlorobenzene	mg/l	0.0005 u	0.0005 u
Chloroethane	mg/l	0.0005 u	0.0005 u
Chloroform	mg/l	0.0034 v	0.0035 v
Chloromethane	mg/l	0.0005 u	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u	0.0005 u
Dibromochloromethane	mg/l	0.0006 v	0.0005 v
Dichlorodifluoromethane	mg/l	0.0005 u	0.0005 u
m,p-Xylene	mg/l	0.0005 u	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u	0.01 u
Methylene chloride	mg/l	0.003 u	0.003 u
o-Xylene	mg/l	0.0005 u	0.0005 u
Styrene	mg/l	0.0005 u	0.0005 u
Tetrachloroethene	mg/l	0.0005 u	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u	0.0005 u
Trichloroethene	mg/l	0.0005 u	0.0005 u
Trichlorofluoromethane	mg/l	0.0005 u	0.0005 u
Vinylacetate	mg/l	0.01 u	0.01 u
Vinylchloride	mg/l	0.0005 u	0.0005 u
Benzene	ug/l	0.5 u	0.5 u
Ethylbenzene	ug/l	0.5 u	0.5 u
Toluene	ug/l	0.5 u	0.5 u

**Analytic Flag Codes:**

- |  |  |  |
|--|--|--|
| * Surrogate outside QC limits                      | a Not available                          | b Analyte detected in blank and sample |
| c Coelute  | d Diluted                                | e Exceeds calibration range            |
| f Calculated from higher dilution                  | g Concentration > value reported         | h Pass                                 |
| i Insufficient sample                              | j Est. value; conc. < quan. limit        | k Fail                                 |
| l Less than detection limit                        | m Matrix interference                    | n Not measured                         |
| p > 40% rpd between primary 1deg and 2 deg column. | q Uncertain value                        | s Surrogate                            |
| t Trace amount                                     | u Not detected                           | v Detected value                       |
| w Btwn CRDL/IDL                                    | x Surrogate diluted but within QC limits | y Calculated Value                     |
| z Unknown  |  |  |

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:12:32 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient	LVW 0.55	LVW 5.5
Water	Sample Date	11/1/2004	11/1/2004	11/1/2004	11/1/2004	11/15/2004	11/15/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2411020016	2411020015	2411020014	2411020013	2411160009	2411160008
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT	LVW 0.55	LVW 5.5
	Remarks	Superseded					

## Other

Apparent Color	ACU		15 v	15 v	15 v		15 v
Total Dissolved Solids	mg/l		1560 v	1540 v	1550 v		1810 v

## Metals

Boron	mg/l		0.67 v	0.65 v	0.66 v		0.8 vd
Chromium	mg/l		0.0011 v	0.001 v	0.001 v		0.001 u
Copper	mg/l		0.0064 v	0.0032 v	0.0034 v		0.002 u
Iron	mg/l		0.22 v	0.21 v	0.22 v		0.19 vd
Manganese	mg/l		0.044 v	0.041 v	0.041 v		0.002 u
Molybdenum	mg/l		0.016 v	0.016 v	0.015 v		0.002 u

## Inorganics

Ammonia (as N)	mg/l	0.11 v	0.063 v	0.056 v	0.05 u	0.12 v	0.1 v
Chloride	mg/l		300 vd	290 vd	280 vd		340 vd
Fluoride	mg/l		0.99 v	1 v	1 v		1.03 v
Nitrate (as N)	mg/l		12 vd	13 vd	13 vd		12 vd
Nitrate/Nitrite	mg/l		12.1 v	13.1 v	13 v		12.1 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud		0.5 ud
Total Phosphorus-P	mg/l	0.18 v				0.38 v	
Perchlorate	ug/l	180 vd	29 vd	37 vd	17 vd	130 vd	78 vd

## Radiologic

Gross Alpha	pCi/l		3.9 v	4.3 v	5 v		5.7 v
Ra-226 - soluble	pCi/l		0.571 u	0.277 v	0.662 v		0.498 u
Ra-228 - soluble	pCi/l		0.83 u	0.572 u	0.643 u		0.633 u

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:12:33 PM

Sample Type:	Station (Site)	LVW 6.05	LVW Upgradient
Water	Sample Date	11/15/2004	11/15/2004
	Lab	MWL	MWL
	Lab Number	2411160007	2411160006
	Sample Number	LVW 6.05LVW UPGRADIENT	
	Remarks	Superseded	

## Other

Apparent Color	ACU	15 v	15 v
Total Dissolved Solids	mg/l	1820 v	1840 v

## Metals

Boron	mg/l	0.76 vd	0.78 vd
Chromium	mg/l	0.001 u	0.001 u
Copper	mg/l	0.0029 v	0.0025 v
Iron	mg/l	0.21 vd	0.25 vd
Manganese	mg/l	0.056 v	0.055 v
Molybdenum	mg/l	0.017 v	0.015 v

## Inorganics

Ammonia (as N)	mg/l	0.11 v	0.05 u
Chloride	mg/l	340 vd	320 vd
Fluoride	mg/l	1.02 v	1.09 v
Nitrate (as N)	mg/l	12 vd	13 vd
Nitrate/Nitrite	mg/l	12.1 v	13 v
Nitrite	mg/l	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l		
Perchlorate	ug/l	82 vd	41 vd

## Radiologic

Gross Alpha	pCi/l	3.5 v	6.7 v
Ra-226 - soluble	pCi/l	0.636 v	0.759 v
Ra-228 - soluble	pCi/l	0.588 u	0.771 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:22:26 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient	LVW 0.55	LVW 5.5
Water	Sample Date	12/6/2004	12/6/2004	12/6/2004	12/6/2004	12/20/2004	12/20/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2412070007	2412070006	2412070005	2412070004	2412210026	2412210025
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT	LVW 0.55	LVW 5.5
	Remarks	Superseded					

## Other

Apparent Color	ACU		15 v	15 v	15 v		15 v
Total Dissolved Solids	mg/l		1580 v	1600 v	1570 v		1740 v

## Metals

Boron	mg/l		0.62 vd	0.64 vd	0.63 vd		0.71 vd
Chromium	mg/l		0.005 ud	0.005 ud	0.005 ud		0.005 ud
Copper	mg/l		0.01 ud	0.01 ud	0.01 ud		0.01 ud
Iron	mg/l		0.2 vd	0.18 vd	0.17 vd		0.15 vd
Manganese	mg/l		0.04 vd	0.045 vd	0.035 vd		0.054 vd
Molybdenum	mg/l		0.017 vd	0.018 vd	0.014 vd		0.018 vd

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u	0.05 u	0.09 v
Chloride	mg/l		290 vd	290 vd	280 vd		340 vd
Fluoride	mg/l		0.91 v	0.92 v	0.94 v		0.9 v
Nitrate (as N)	mg/l		12 vd	12 vd	13 vd		12 vd
Nitrate/Nitrite	mg/l		12 v	12 v	13 v		12.1 v
Nitrite	mg/l		1 ud	1 ud	1 ud		0.8 ud
Total Phosphorus-P	mg/l	0.17 v				0.058 v	
Perchlorate	ug/l	170 vd	35 vd	36 vd	19 vd	140 vd	66 vd

## Radiologic

Gross Alpha	pCi/l		5.1 v	5.7 v	4.5 v		8.5 v
Ra-226 - soluble	pCi/l		0.54 u	0.426 u	0.525 u		0.755 u
Ra-228 - soluble	pCi/l		0.69 u	2.26 v	0.612 u		0.658 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2005 3:22:26 PM

Sample Type:	Station (Site)	LVW 6.05	LVW Upgradient
Water	Sample Date	12/20/2004	12/20/2004
	Lab	MWL	MWL
	Lab Number	2412210024	2412210023
	Sample Number	LVW 6.05LVW UPGRADIENT	
	Remarks	Superseded	

## Other

Apparent Color	ACU	15 v	15 v
Total Dissolved Solids	mg/l	1760 v	1760 v

## Metals

Boron	mg/l	0.72 vd	0.74 vd
Chromium	mg/l	0.005 ud	0.005 ud
Copper	mg/l	0.01 ud	0.01 ud
Iron	mg/l	0.12 vd	0.13 vd
Manganese	mg/l	0.055 vd	0.053 vd
Molybdenum	mg/l	0.019 vd	0.017 vd

## Inorganics

Ammonia (as N)	mg/l	0.09 v	0.05 u
Chloride	mg/l	330 vd	310 vd
Fluoride	mg/l	0.89 v	0.91 v
Nitrate (as N)	mg/l	12 vd	13 vd
Nitrate/Nitrite	mg/l	12.1 v	13 v
Nitrite	mg/l	1 ud	1 ud
Total Phosphorus-P	mg/l		
Perchlorate	ug/l	71 vd	38 vd

## Radiologic

Gross Alpha	pCi/l	8.9 v	4.6 v
Ra-226 - soluble	pCi/l	0.529 u	0.553 u
Ra-228 - soluble	pCi/l	0.597 u	0.591 u

## Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

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**Analyses Summary Report**

Site Name: Henderson

1/26/2005 3:48:28 PM

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Sample Type: Station (Site) M-10  
Water Sample Date 11/2/2004  
Lab MWL  
Lab Number 2411030496  
Sample Number M-10  
Remarks  
Superseded

**Other**

Total Dissolved Solids mg/l 3350 v  
Laboratory pH s.u. 7.3 v  
Laboratory conductivity umhos/cm 3960 v

**Metals**

Boron mg/l 3.2 vd  
Chromium mg/l 0.89 vd  
Chromium-hexavalent mg/l 0.091 vd  
Copper mg/l 0.003 v  
Iron mg/l 15 vd  
Manganese mg/l 0.2 v  
Molybdenum mg/l 0.015 v

**Inorganics**

Ammonia (as N) mg/l 0.05 u  
Chloride mg/l 370 vd  
Fluoride mg/l 0.76 v  
Nitrate (as N) mg/l 1 ud  
Nitrate/Nitrite mg/l 0.2 u  
Nitrite mg/l 1 ud  
Perchlorate ug/l 30000 vd

**Analytic Flag Codes:**

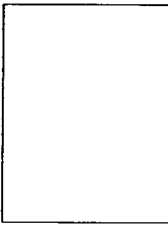
*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

**SOURCE:**  
Perchlorate

**Sampling Dates:**  
01/03/04 - 12/25/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION    Units  


Date Sampled

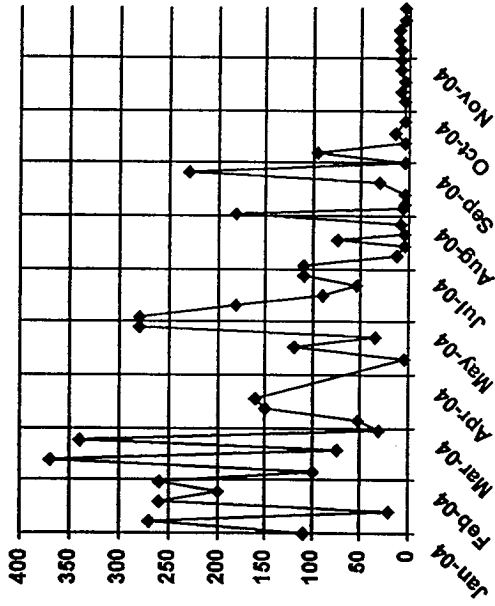
Henderson

2004  
January 1 to December 31

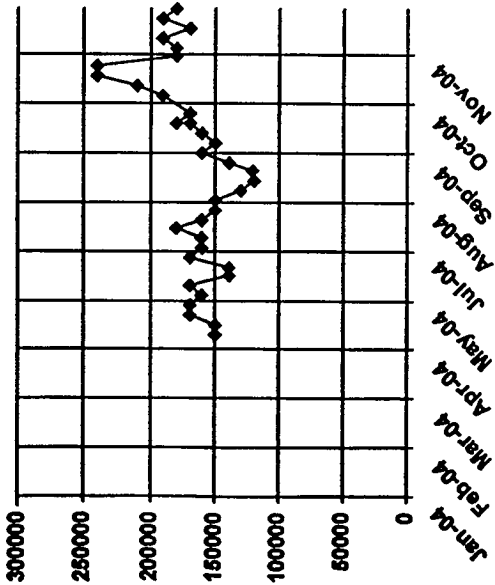
1 of 1

Kerr-McGee Chemical LLC

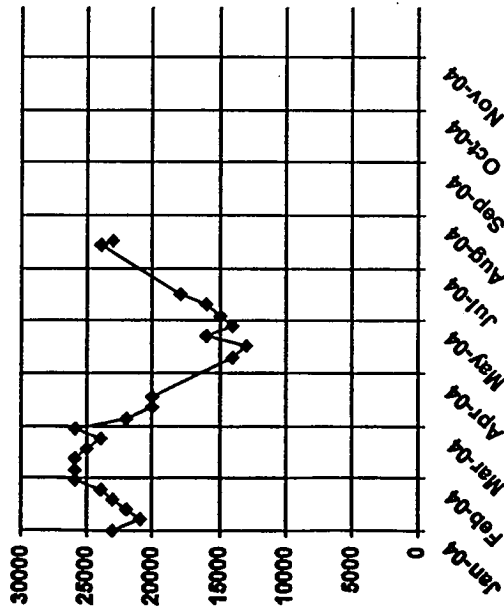
IX EFFLUENT-COMP (ug/l)



INFLUENT-COMP (ug/l)

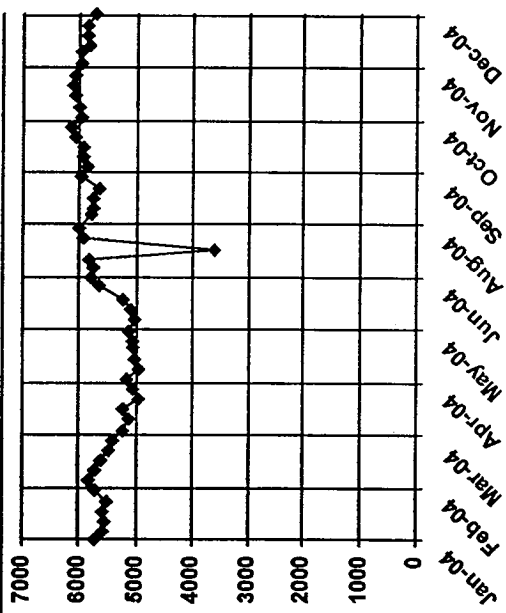


IX INFLUENT-COMP (ug/l)

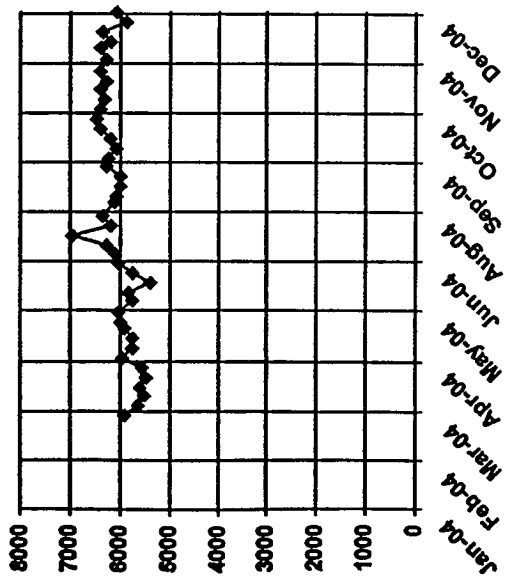


<b>SOURCE:</b> Total Dissolved Solids
Sampling Dates: 01/02/04 - 12/27/04
Notes: Analytical reported for NPDES Permit #NV0023060
Legend: STATION    Units <div style="border: 1px solid black; width: 100px; height: 100px; margin: 5px 0;"></div> Date Sampled
Henderson
2004
January 1 to December 31 of 1
Kerr-McGee Chemical LLC

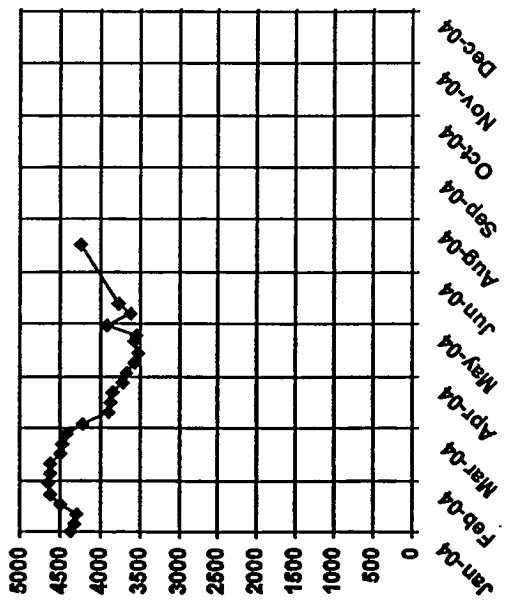
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



**SOURCE:**  
Apparent Color

Sampling Dates:  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units  
Date Sampled

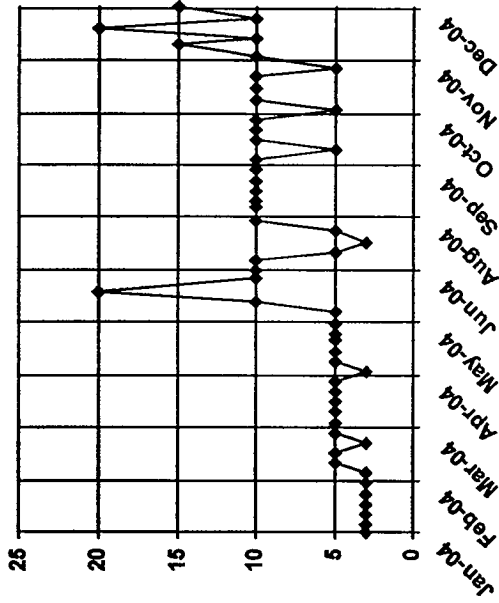
Henderson

2004

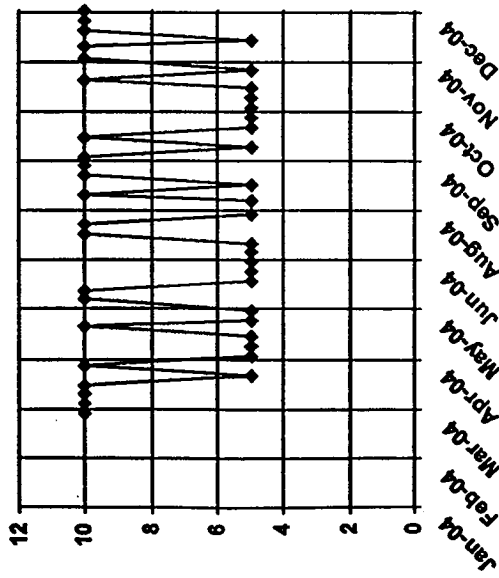
January 1 to December 31 1 of 1

Kerr-McGee Chemical LLC

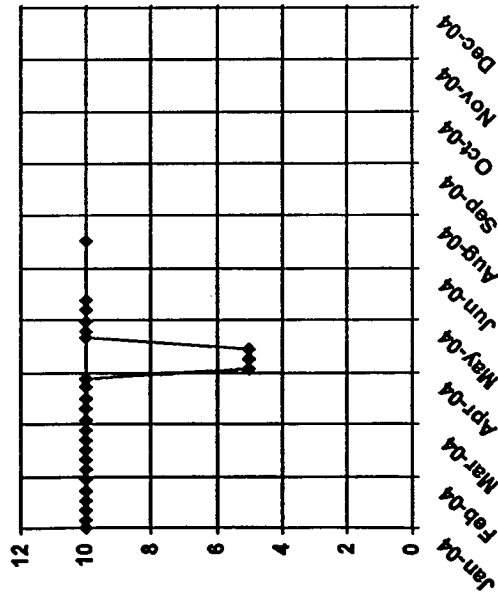
IX EFFLUENT (ACU)



INFLUENT (ACU)



IX INFLUENT (ACU)



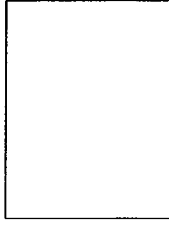
**SOURCE:**  
Laboratory pH

Sampling Dates:  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

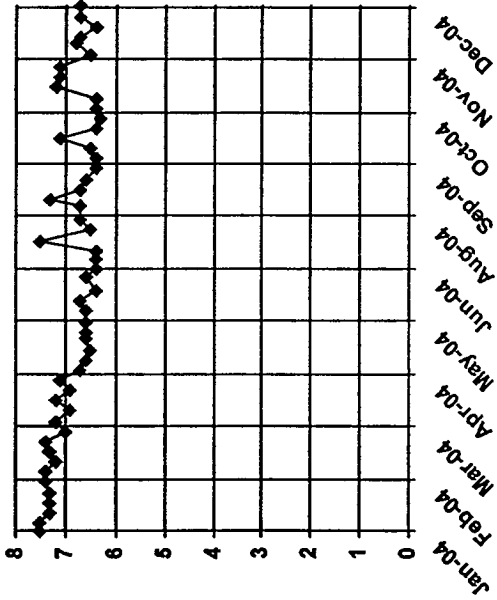
Henderson

2004

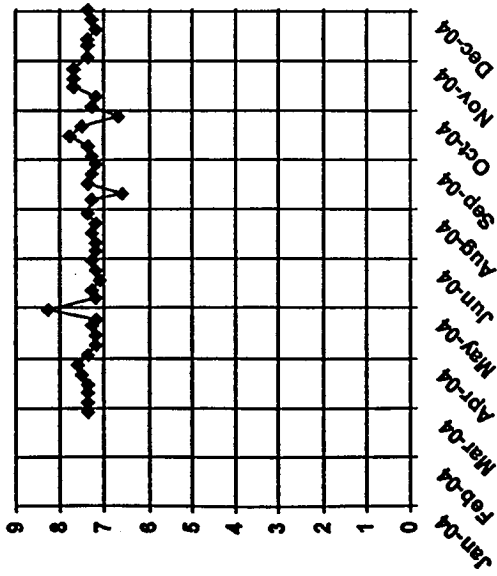
January 1 to December 31 of 1

Kerr-McGee Chemical LLC

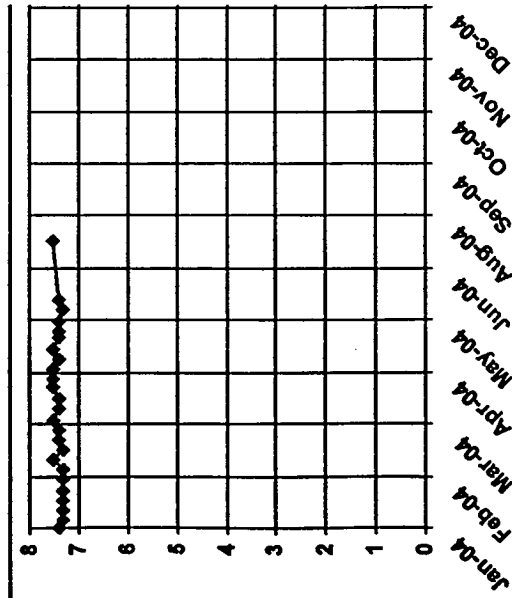
IX EFFLUENT (s.u.)



INFLUENT (s.u.)



IX INFLUENT (s.u.)





**SOURCE:**  
Chromium

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

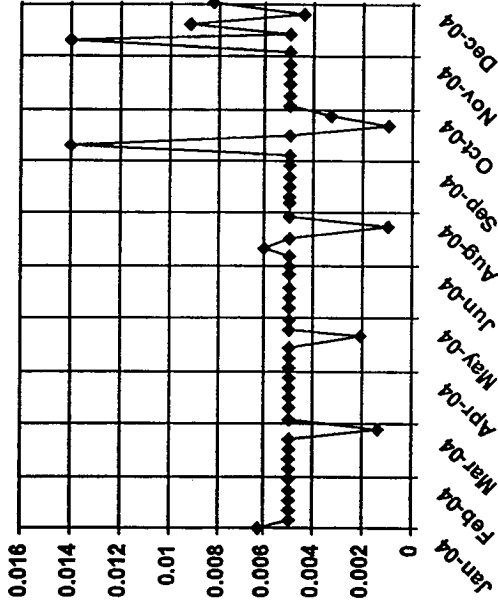
Henderson

2004

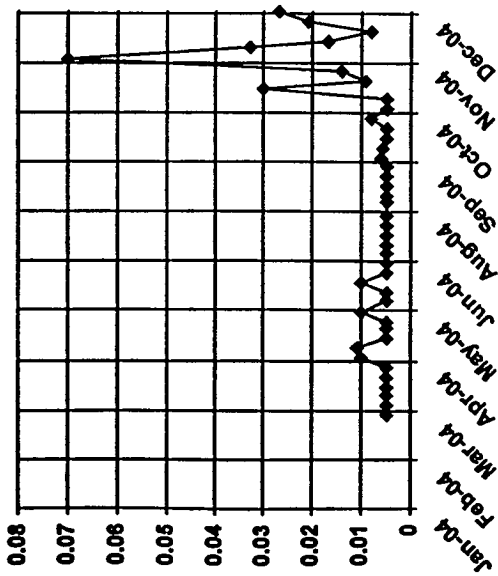
January 1 to December 31 1 of 1

Kerr-McGee Chemical LLC

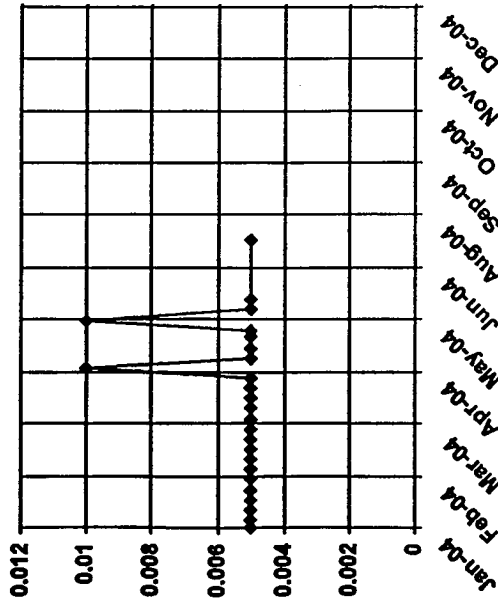
IX EFFLUENT (mg/l)



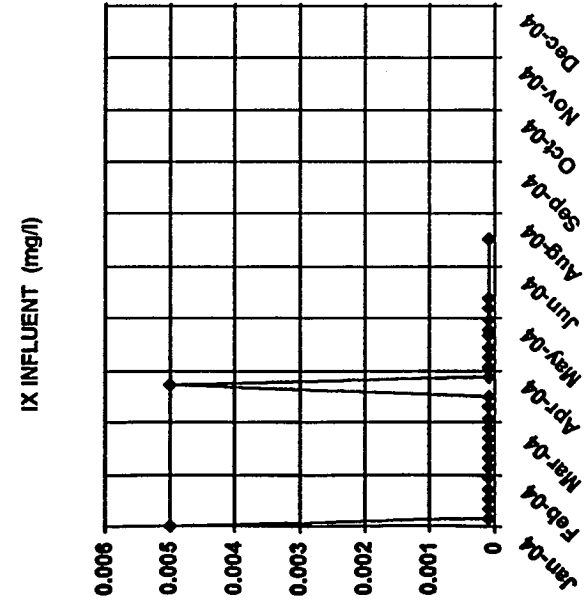
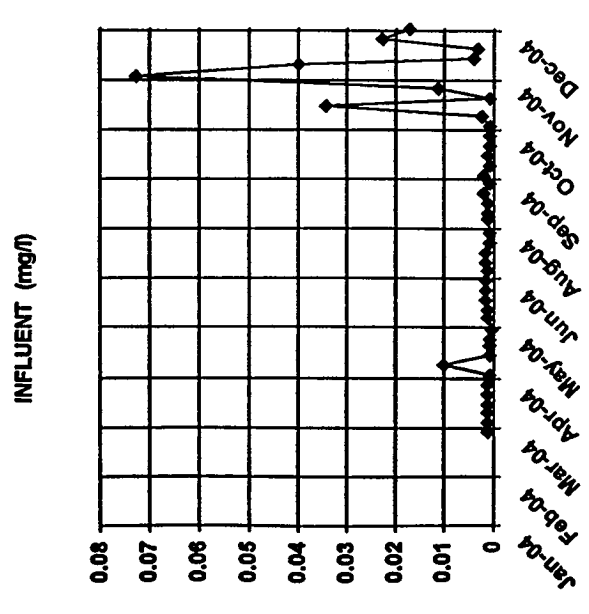
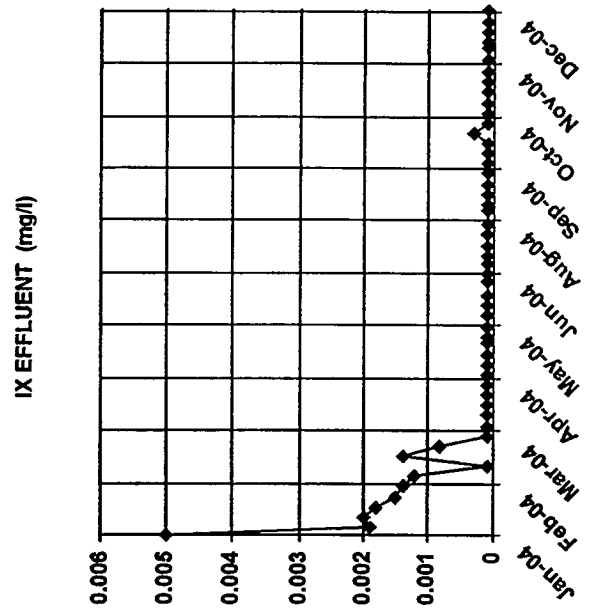
INFLUENT (mg/l)



IX INFLUENT (mg/l)



<b>SOURCE:</b> Chromium-hexavalent
Sampling Dates: 01/02/04 - 12/27/04
<b>Notes:</b> Analytical reported for NPDES Permit #NV0023060
<b>Legend:</b> STATION Units <div style="border: 1px solid black; width: 100px; height: 100px; margin: 5px;"></div> Date Sampled
<b>Henderson</b>
2004
January 1 to December 31 of 1
Kerr-McGee Chemical LLC



**SOURCE:**  
Percent Unionized Ammonia 25C

Sampling Dates:  
03/17/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

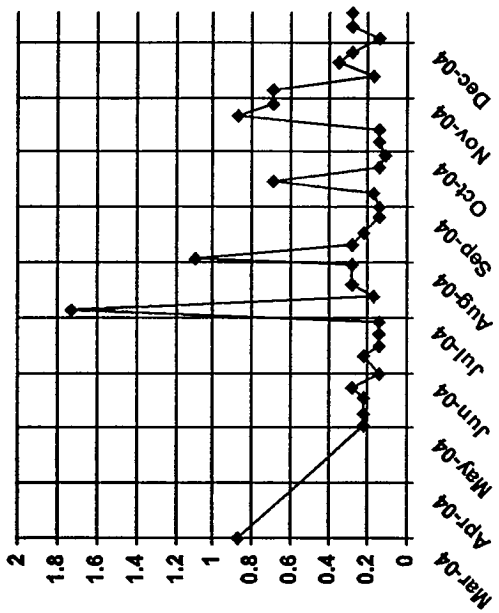
Henderson

2004

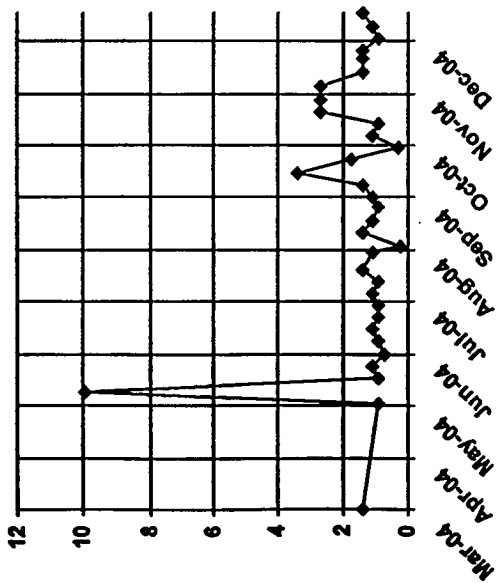
January 1 to December 31 1 of 1

Kerr-McGee Chemical LLC

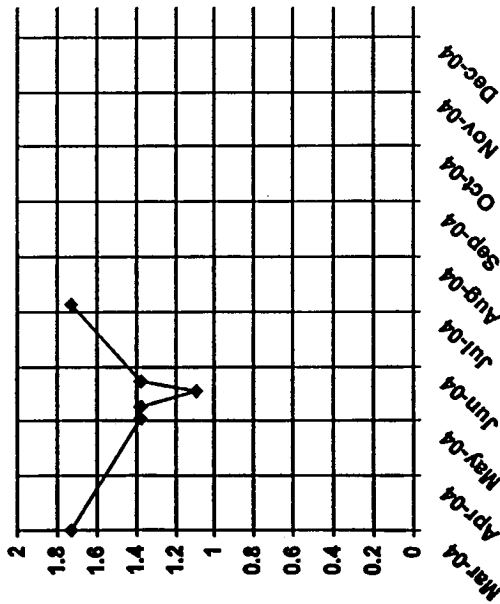
IX EFFLUENT (%)



INFLUENT (%)



IX INFLUENT (%)

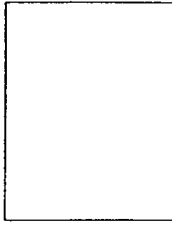


**SOURCE:**  
Ammonia (as N)

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**  
STATION Units



Date Sampled

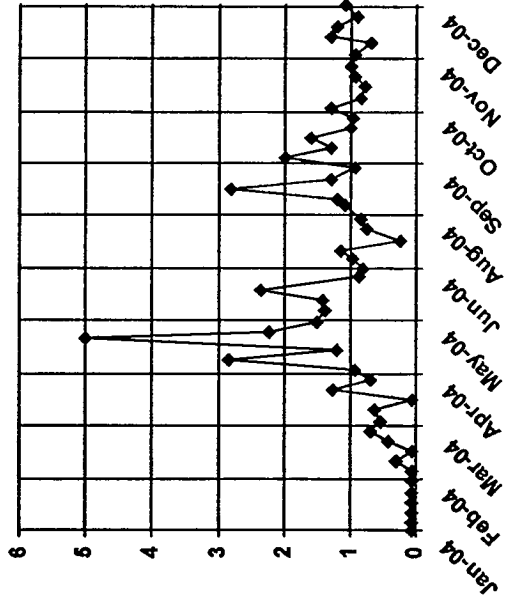
Henderson

2004

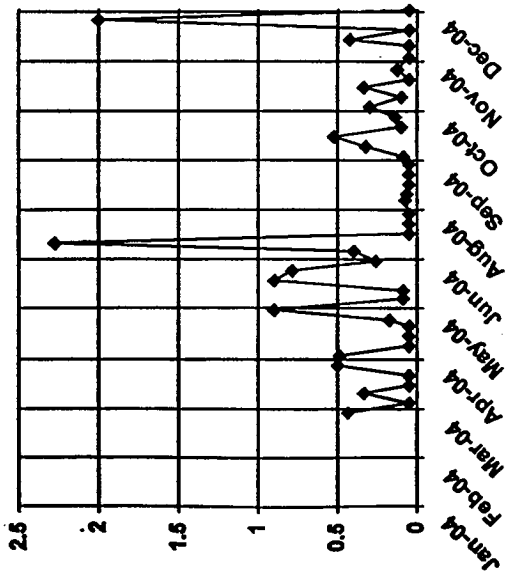
January 1 to December 31 1 of 1

Kerr-McGee Chemical LLC

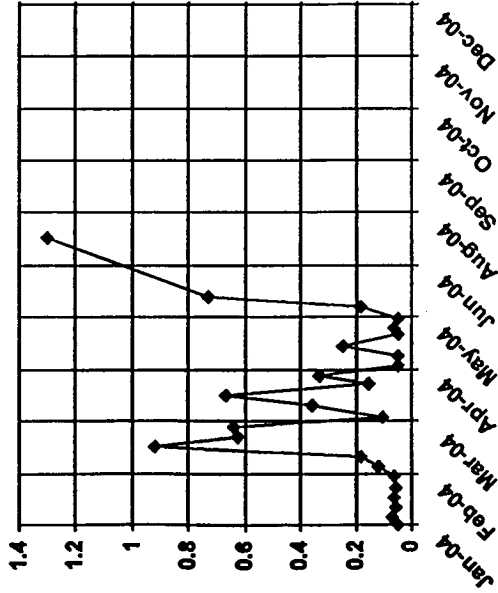
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)

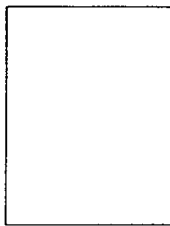


**SOURCE:**  
Biochemical oxygen demand

**Sampling Dates:**  
01/02/04 - 12/29/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**  
STATION Units



Date Sampled

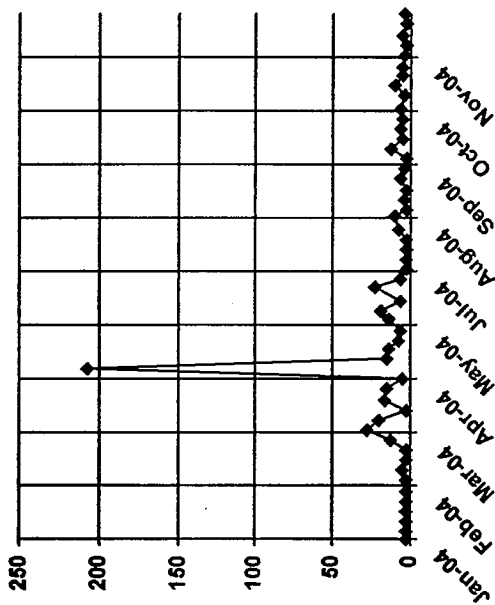
Henderson

2004

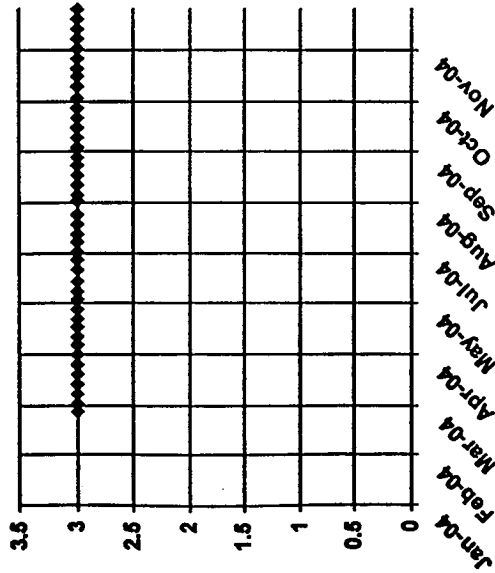
January 1 to December 31 1 of 1

Kerr-McGee Chemical LLC

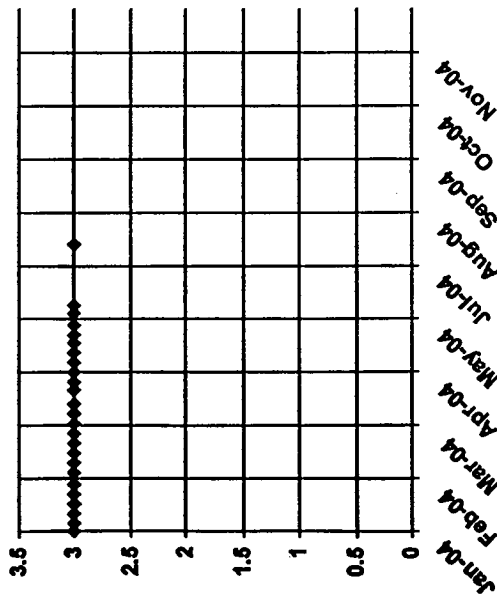
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



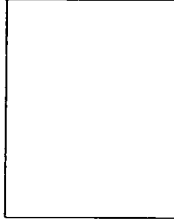
**SOURCE:**  
Chloride

Sampling Dates:  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION    Units



Date Sampled

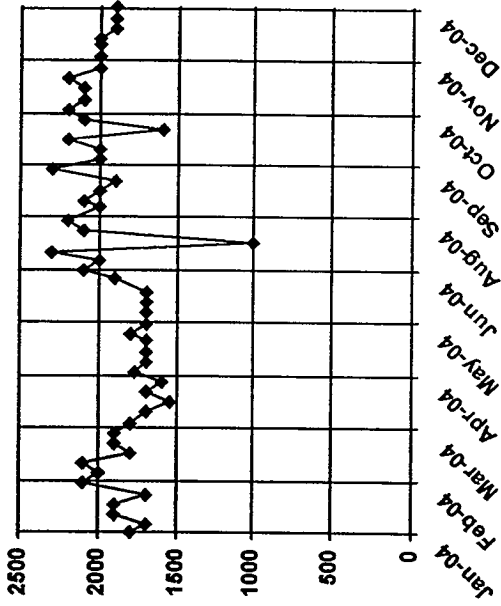
Henderson

2004

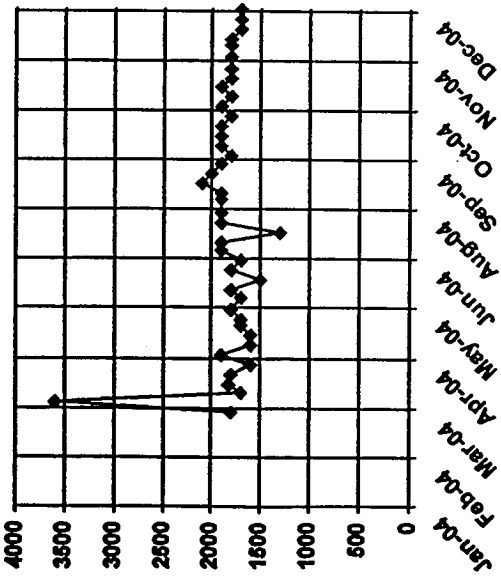
January 1 to December 31 1 of 1

Kerr-McGee Chemical LLC

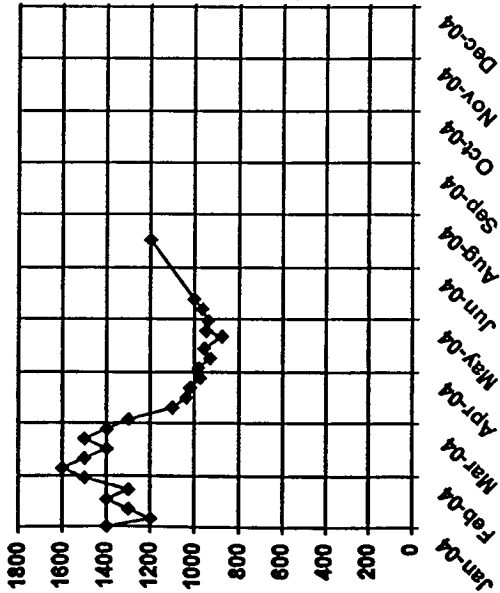
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



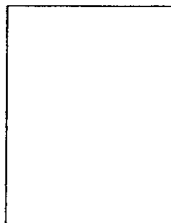
**SOURCE:**  
Nitrate (as N)

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



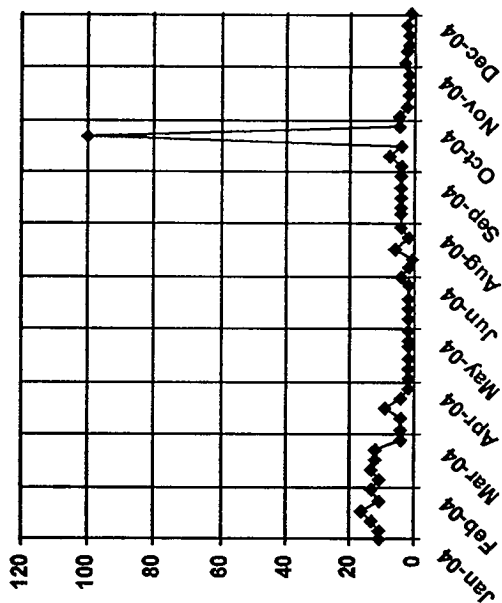
Date Sampled

Henderson

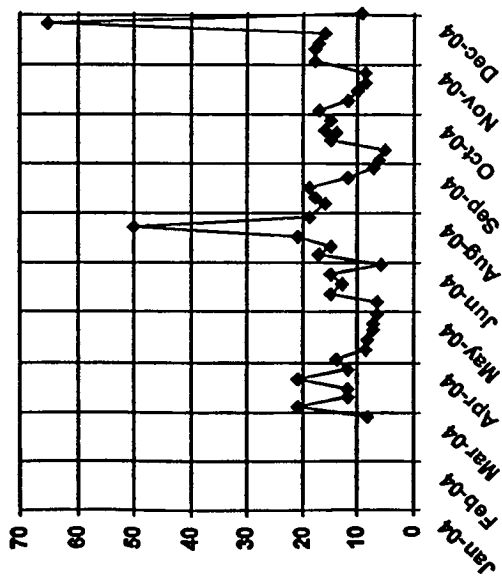
2004  
January 1 to December 31

1 of 1  
Kerr-McGee Chemical LLC

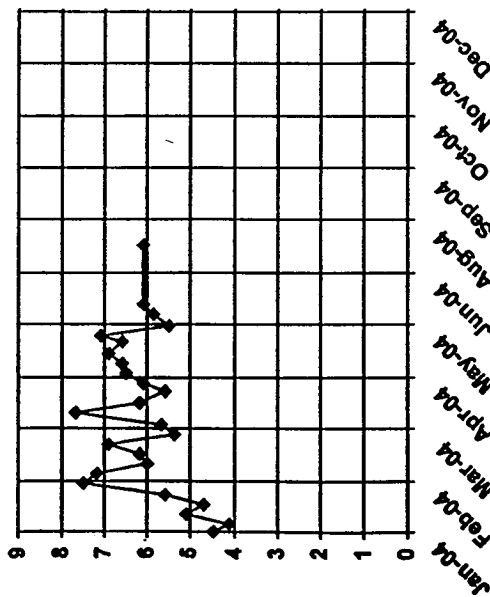
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



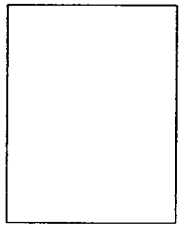
**SOURCE:**  
Nitrate/Nitrite

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

Henderson

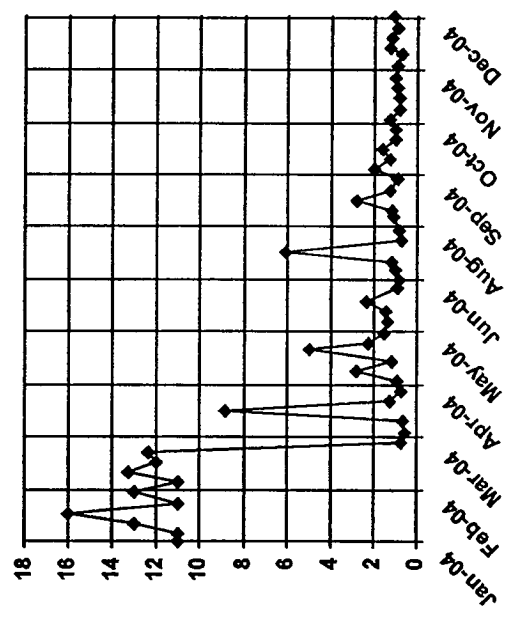
2004

January 1 to December 31

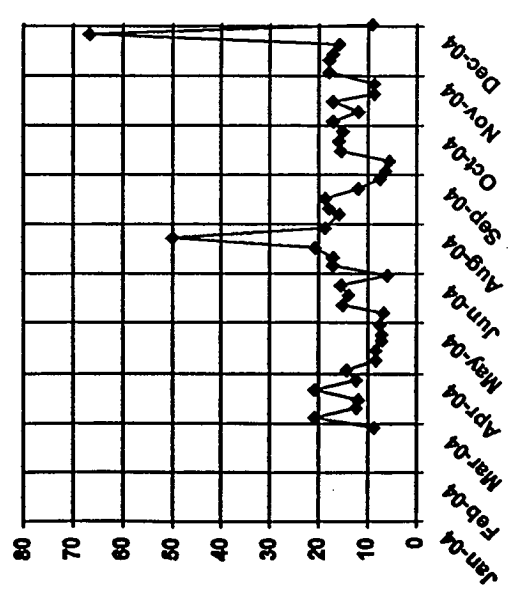
1 of 1

Kerr-McGee Chemical LLC

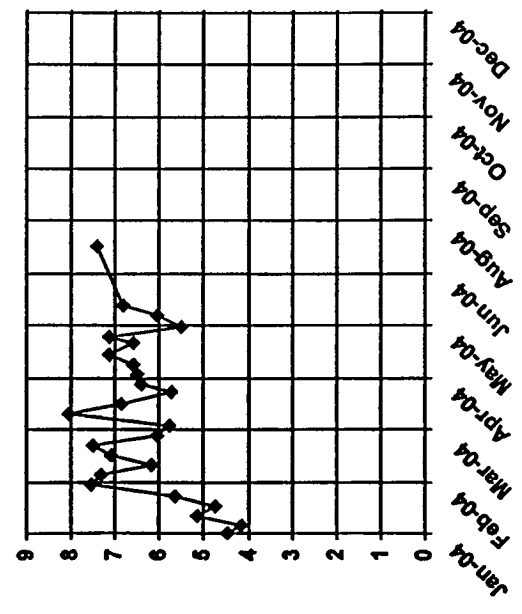
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)





**SOURCE:**  
Nitrife

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units

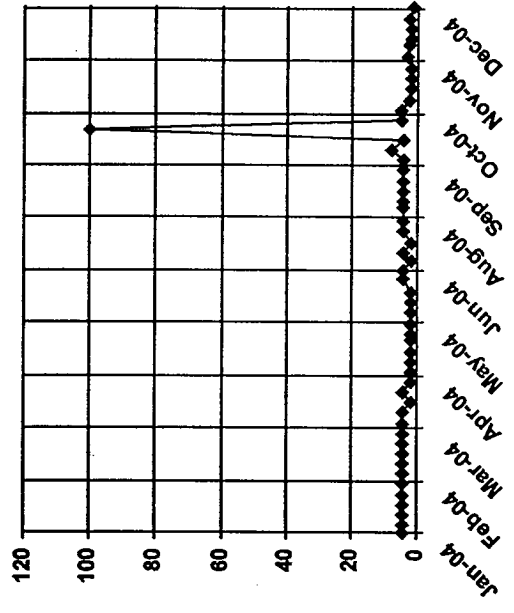
Date Sampled

Henderson

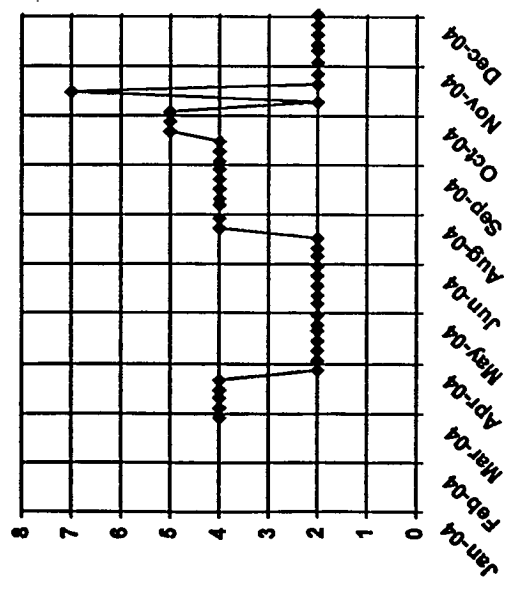
2004  
January 1 to December 31  
1 of 1

Kerr-McGee Chemical LLC

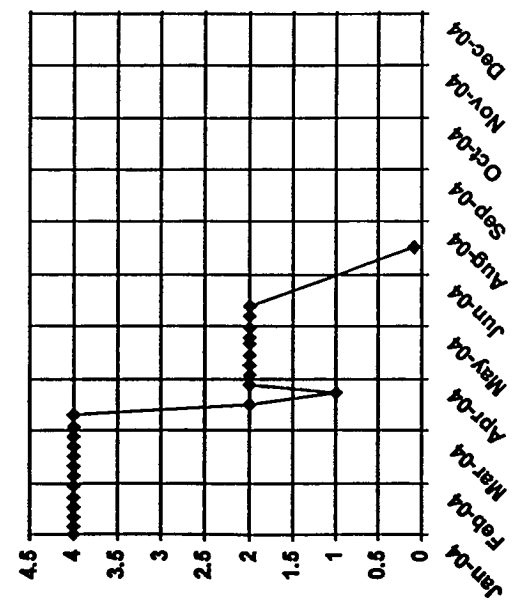
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



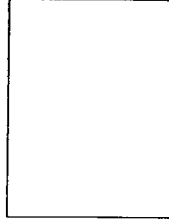
**SOURCE:**  
sulfide

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

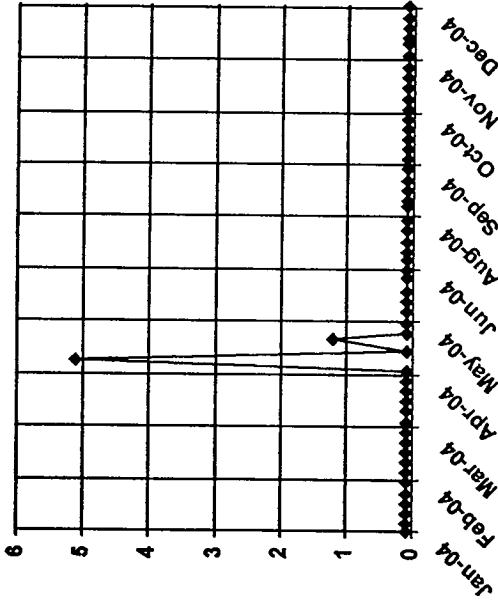
**Henderson**

2004  
January 1 to December 31

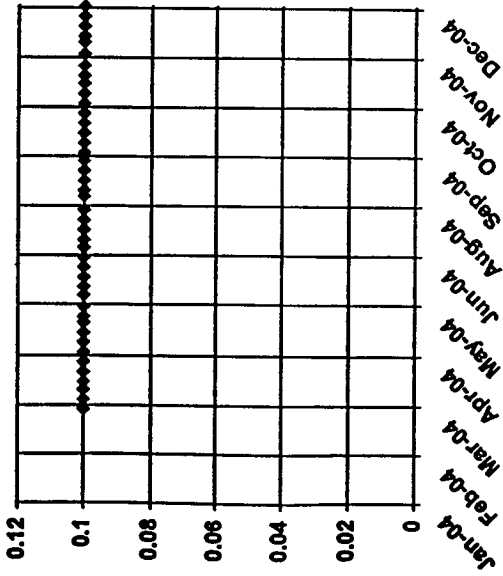
1 of 1

Kerr-McGee Chemical LLC

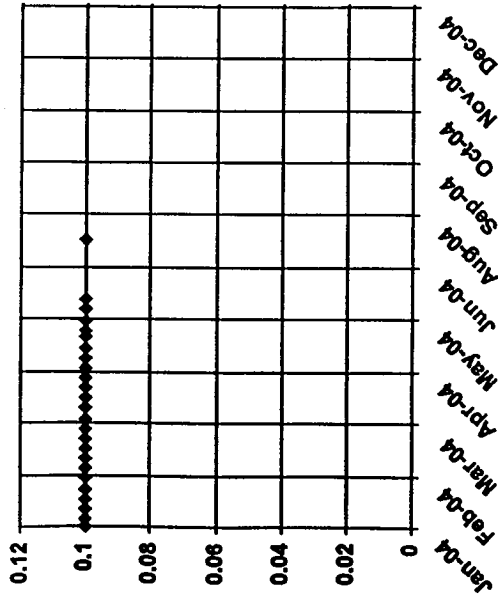
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



**SOURCE:**  
Total Kjeldahl Nitrogen

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

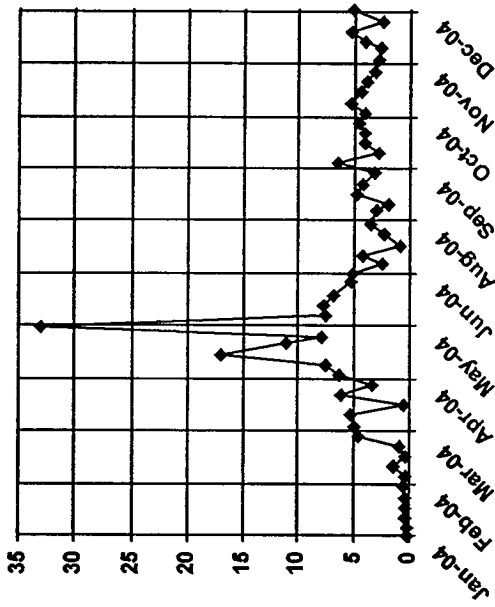
Henderson

2004  
January 1 to December 31

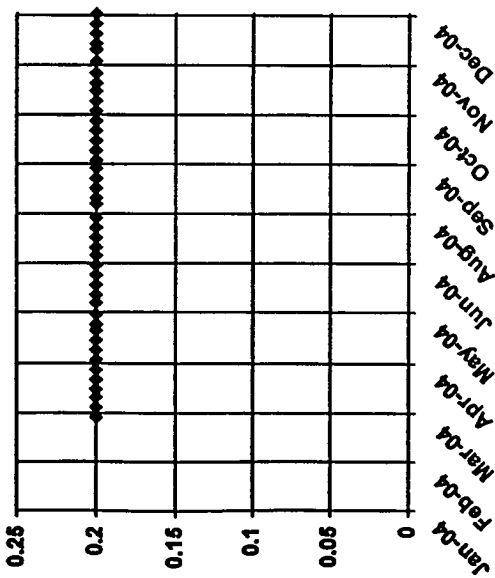
1 of 1

Kerr-McGee Chemical LLC

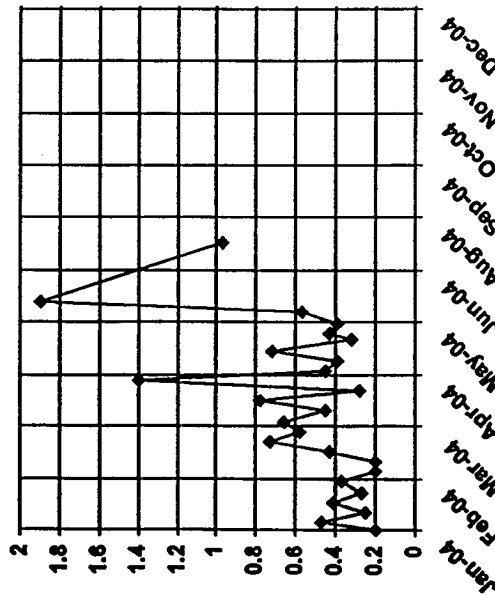
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



**SOURCE:**  
Total Phosphorus-P

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION    Units

Date Sampled

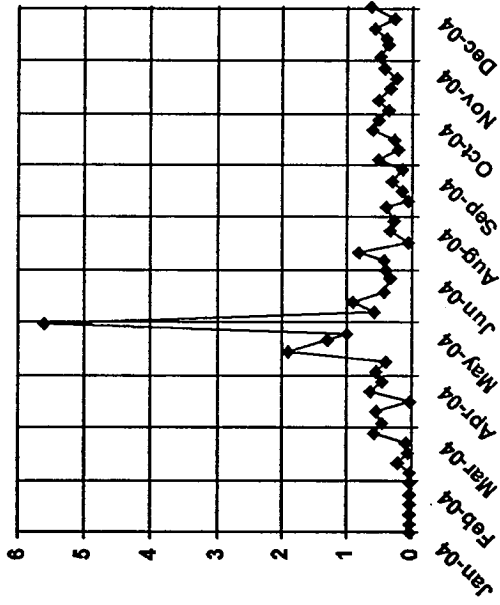
**Henderson**

2004  
January 1 to December 31

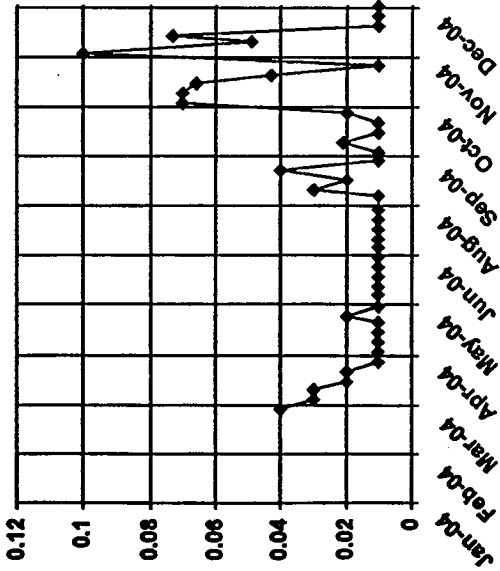
1 of 1

Kerr-McGee Chemical LLC

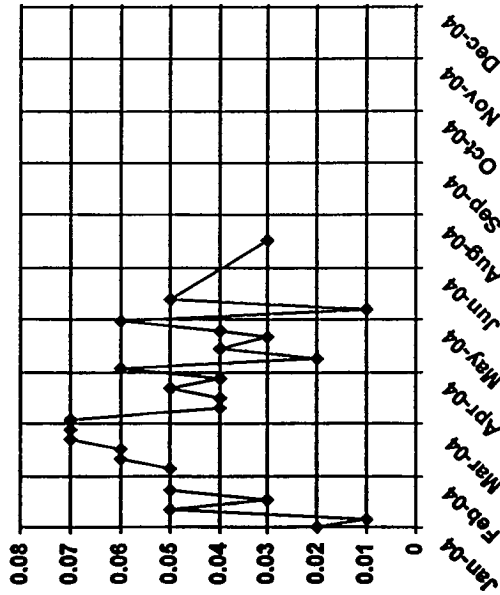
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



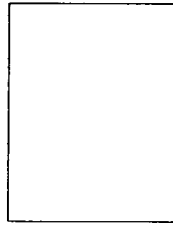
**SOURCE:**  
Chlorate

Sampling Dates:  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

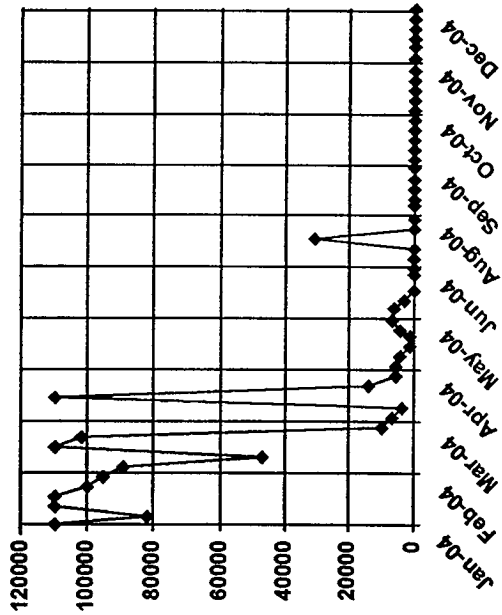
Henderson

2004  
January 1 to December 31

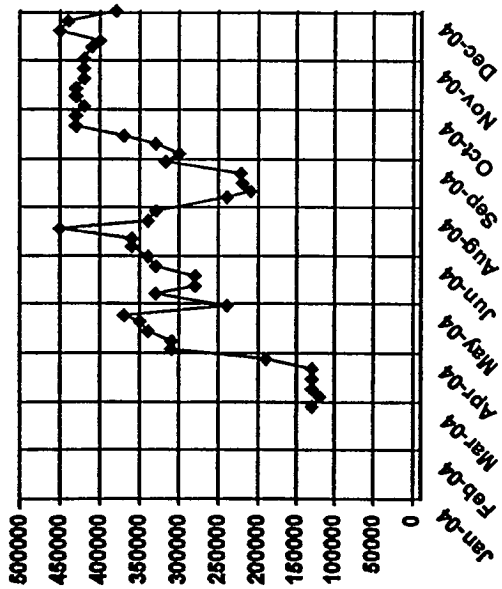
1 of 1

Kerr-McGee Chemical LLC

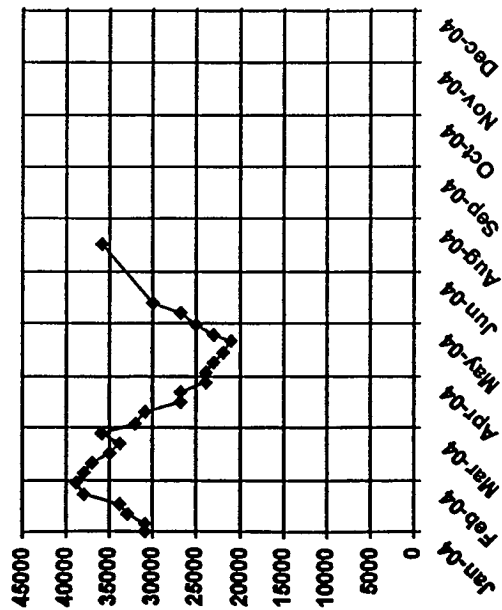
IX EFFLUENT (ug/l)



INFLUENT (ug/l)



IX INFLUENT (ug/l)



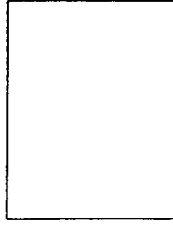
**SOURCE:**  
Oil and grease

**Sampling Dates:**  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

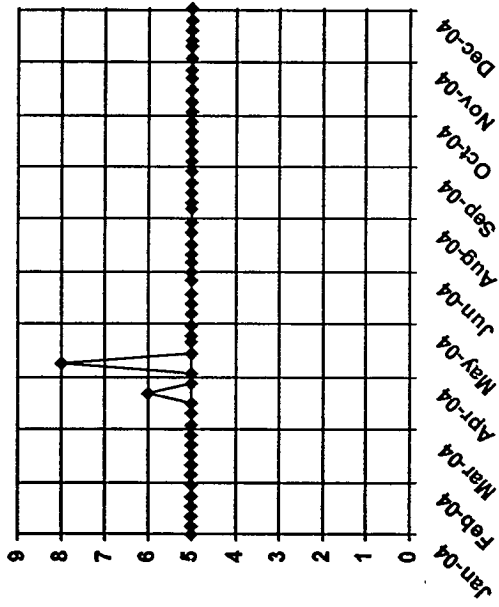
Henderson

2004  
January 1 to December 31

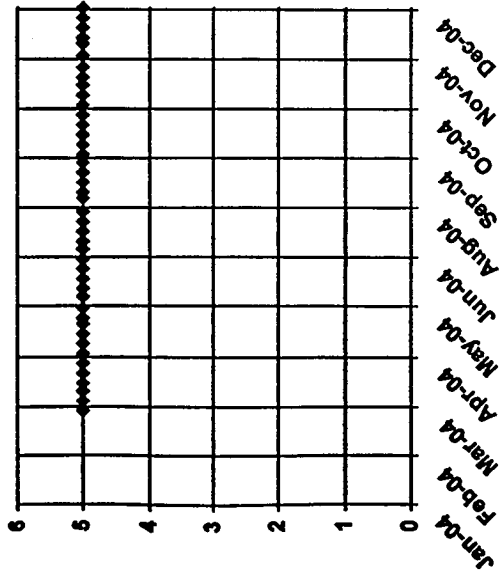
1 of 1

Kerr-McGee Chemical LLC

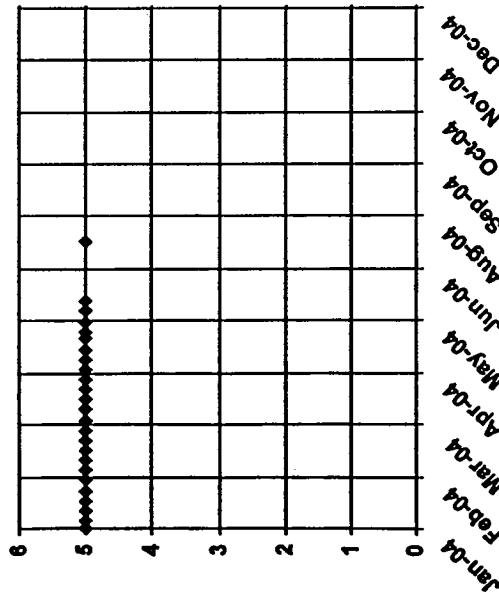
IX EFFLUENT (mg/l)



INFLUENT (mg/l)



IX INFLUENT (mg/l)



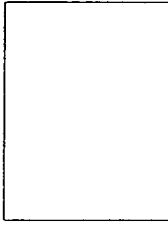
**SOURCE:**  
Gross Alpha

Sampling Dates:  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

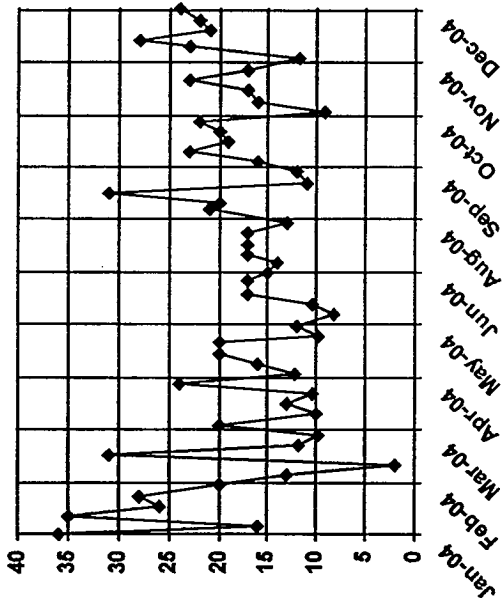
Henderson

2004  
January 1 to December 31

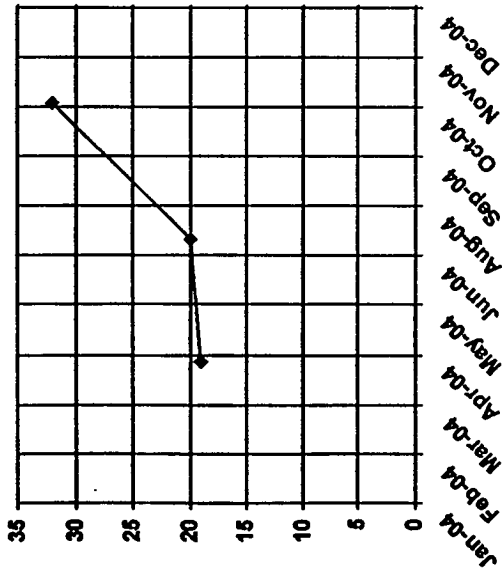
1 of 1

Kerr-McGee Chemical LLC

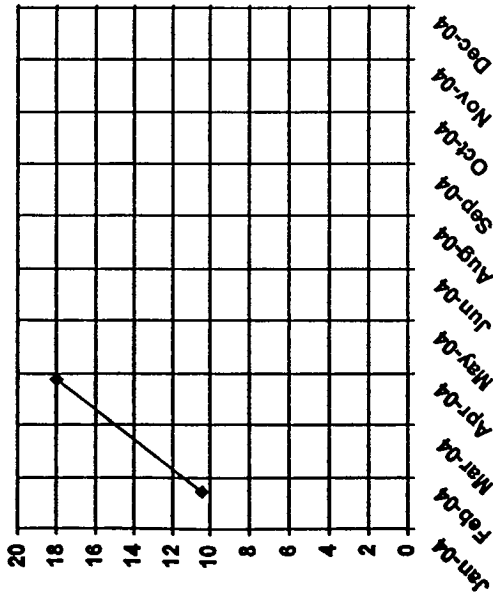
IX EFFLUENT (pCi/l)



INFLUENT (pCi/l)



IX INFLUENT (pCi/l)



**SOURCE:**  
Ra-226 - soluble

Sampling Dates:  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

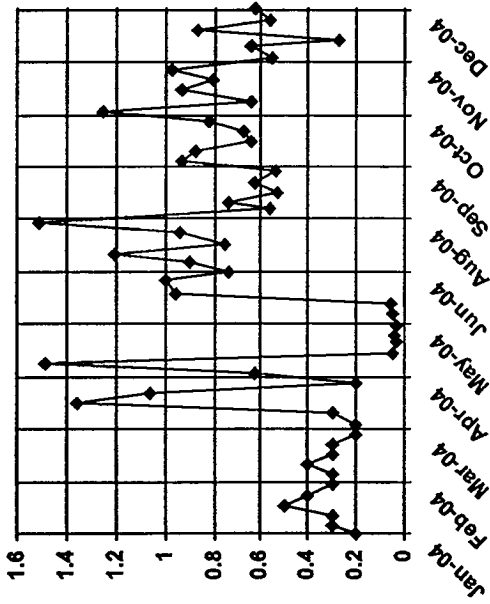
Henderson

2004  
January 1 to December 31

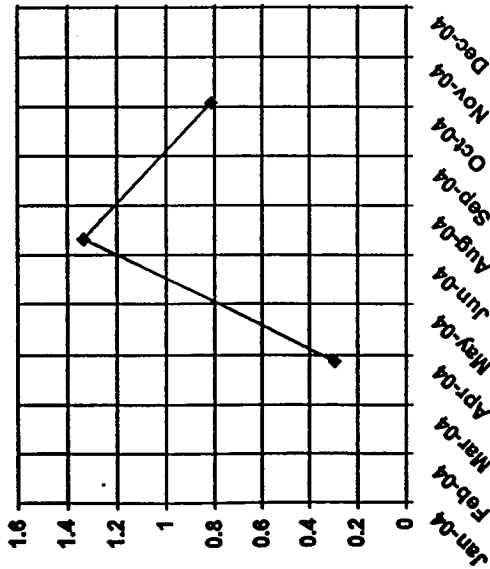
1 of 1

Kerr-McGee Chemical LLC

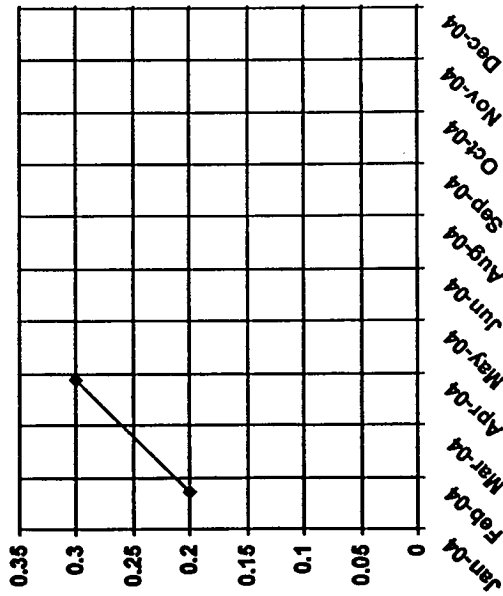
IX EFFLUENT (pCi/l)



INFLUENT (pCi/l)



IX INFLUENT (pCi/l)





**SOURCE:**  
Ra-228 - soluble

Sampling Dates:  
01/02/04 - 12/27/04

**Notes:**  
Analytical reported for NPDES Permit  
#NV0023060

**Legend:**

STATION Units



Date Sampled

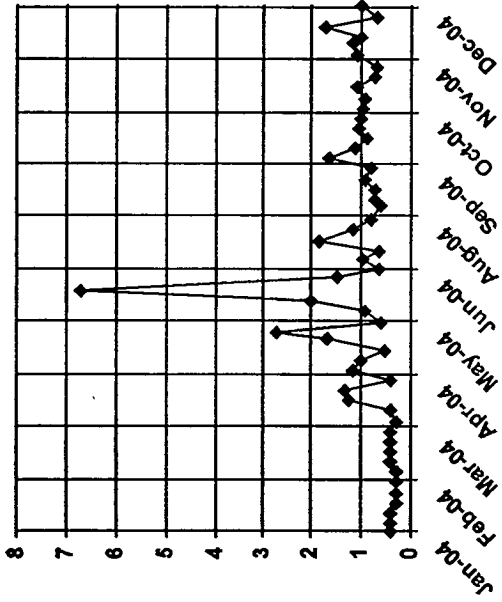
Henderson

2004  
January 1 to December 31

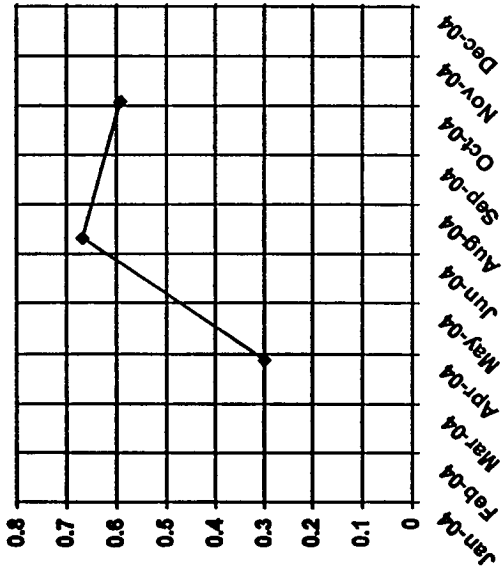
1 of 1

Kerr-McGee Chemical LLC

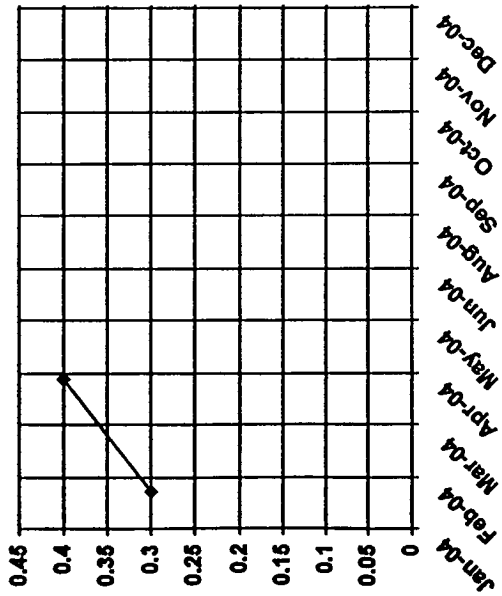
IX EFFLUENT (pCi/l)



INFLUENT (pCi/l)



IX INFLUENT (pCi/l)



**ATTACHMENT 3**

**Supporting  
Analytical Reports**

**KERR-McGEE CHEMICAL LLC**

POST OFFICE BOX 55 - HENDERSON, NEVADA 89009

October 27, 2004

RECEIVED  
ENVIRONMENTAL PROTECTION  
LAS VEGAS OFFICE

2004 OCT 28 P 1:50

Compliance Coordinator  
State of Nevada  
Division of Environmental Protection  
Bureau of Water Permits & Compliance  
333 W. Nye Lane  
Carson City, Nevada 89710

Dear Gentlemen:

SUBJECT: Discharge Monitoring Report (DMR) - Third Quarter 2004 – NPDES Permit NV 0023060

Kerr-McGee Chemical LLC, Kerr-McGee, maintains an NPDES Permit #0023060 for discharge of water treated, as part of their on-going effort to remediate perchlorate in the Henderson area. The attached DMRs (Attachment 1) reflect information associated with the perchlorate remediation efforts, i.e. discharge of treated surface water near the Las Vegas Wash. Supporting analytical summaries are included in Attachment 2, with the supporting analytical reports included in Attachment 3. Please note that analyses of "Attachment A" analytes, for the treated discharge, indicate that there is no significant increase in "other constituents". This was expected due to the focused nature of the perchlorate remediation processes in service.

In July 2004, the perchlorate in effluent from the bio process was above 18 ppb, however, during this start-up period the requirements for perchlorate discharge are covered under the Permit's Part I.A.16 – Schedule of Compliance; which states "The Permittee shall implement and comply with the provision of the schedule of compliance... c. Within 9 months of permit issuance, the Permittee shall achieve compliance with the 18ug/L perchlorate limitation for the operation of the fluidized bed reactor biological treatment system. The compliance date for the 18ug/L is December 3, 2004". Kerr-McGee is committed to reducing perchlorate to the lowest level achievable, but expects that during the start-up period, the perchlorate concentration may at times be higher than 18 ppb. In July, the cause of the perchlorate concentration greater than 18 ppb was the results of an effort to ramp-up the perchlorate loading in the influent feed to the bio process and the resulting biological acclimation.

Listed separately are analytical results for four Las Vegas Wash locations, which require analyses to evaluate the mixing zone as well as the upgradient on-site groundwater well. Analytical summaries are included in Attachment 2 while supporting analytical reports are included in Attachment 3.

Should you have any questions concerning this report, please contact me at (702) 651-2234. Thank you.

Sincerely,

Susan M. Crowley  
Staff Environmental Specialist

Overnight  
Attachments

cc: LKBailey  
J Dixon, w/o analytical attachment  
JLambeth, w/o analytical attachment  
FRStater, w/o analytical attachment  
DKShandy, w/o analytical attachment

Todd Croft, NDEP (Las Vegas)  
Jim Najima, NDEP w/o analytical attachment  
Brian Rakvica, NDEP, w/o analytical attachment  
Doug Zimmerman, NDEP, w/o analytical attachment  
Mike Goff, SNWA

**ATTACHMENT 1**

**Discharge Monitoring  
Reports (DMR)**



PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 00230680  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

FROM: 04 | 07 | 01 TO: 04 | 07 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT			
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT				0.010	0.010	0.10	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	Monitor & Report				
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT				0.406	0.810	4.10	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	20 lb/day				
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT				20.22	50.00	204.50	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	Monitor & Report				
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT				1.94	6.05	19.60	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	Monitor & Report				
Nitrate, as N Effluent	SAMPLE MEASUREMENT				2.01	5.50	20.30	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	Monitor & Report				
Ammonia, as N Effluent	SAMPLE MEASUREMENT				0.78	1.14	7.89	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	40 lb/day				
Attachment A Effluent	SAMPLE MEASUREMENT				Please see attached results				0	Quart	Discrete
	PERMIT REQUIREMENT				Monitor & Report						
CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY FACILITY'S KNOWLEDGE OF THE FACTS AND MY BEST KNOWLEDGE AND BELIEF, THAT THE ACCURATE AND COMPLETE INFORMATION WAS OBTAINED AND SUBMITTED FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT TELEPHONE 702-651-2200 DATE 04 / 10 / 06 AREA CODE NUMBER YEAR MO DAY											
Staff Environmental Specialist TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

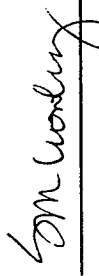
LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 07 | 01 TO 04 | 07 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Unionized Ammonia, as N Influent	SAMPLE MEASUREMENT	-----			1.1	1.2	11.01	0	Weekly	Calc
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	Monitor & Report			
Unionized Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----			0.5	1.7	5.00	0	Weekly	Calc
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	Monitor & Report			
Hexavalent Chromium Influent	SAMPLE MEASUREMENT	-----			0.001	0.000	0.01	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	Monitor & Report			
Hexavalent Chromium Effluent	SAMPLE MEASUREMENT	-----			0.000	0.000	0.00	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	0.01 mg/L	Monitor & Report			
Total Chromium Influent	SAMPLE MEASUREMENT	-----			0.003	0.003	0.03	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	Monitor & Report			
Total Chromium Effluent	SAMPLE MEASUREMENT	-----			0.003	0.006	0.03	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	0.10 mg/L	Monitor & Report			
Total Suspended Solids Effluent	SAMPLE MEASUREMENT	-----			14.40	28.00	145.3	0	Weekly	Discrete
	PERMIT REQUIREMENT				135 mg/l	Monitor & Report	Monitor & Report			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED										
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  TELEPHONE: 702-651-2200 DATE: 04 / 10 / 26 AREA CODE NUMBER: 702-651-2200 YEAR: 04 MO: 10 DAY: 26										

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A METHOD DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY KNOWLEDGE AND BELIEF. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF PERMITS AND IMPROPERLY FORGOING VIOLATIONS.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD  
 FROM 04 | 07 | 01 TO 04 | 07 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Color	SAMPLE MEASUREMENT	---			7	10	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Influent	SAMPLE MEASUREMENT	---			7	10	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Color	SAMPLE MEASUREMENT	---			7	10	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Effluent	SAMPLE MEASUREMENT	---			6,014	6,520	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Total Dissolved Solids	SAMPLE MEASUREMENT	---			5,392	5,930	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Influent	SAMPLE MEASUREMENT	---			0.05	0.05	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Total Dissolved Solids	SAMPLE MEASUREMENT	---			0.05	0.05	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Sulfide	SAMPLE MEASUREMENT	---			4.32	6.67	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Influent	SAMPLE MEASUREMENT	---			0.05	0.05	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Sulfide	SAMPLE MEASUREMENT	---			4.32	6.67	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Effluent	SAMPLE MEASUREMENT	---			4.32	6.67	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Dissolved Oxygen	SAMPLE MEASUREMENT	---			4.32	6.67	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
Effluent	SAMPLE MEASUREMENT	---			4.32	6.67	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report		Monitor & Report				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE		OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
Susan Crowley		<i>Susan Crowley</i>				702-651-2200		04/10/26		
Staff Environmental Specialist		SIGNATURE OF PRINCIPAL EXECUTIVE		OFFICER OR AUTHORIZED AGENT		AREA CODE NUMBER		YEAR, MO, DAY		
TYPED OR PRINTED						702-651-2200		04/10/26		

I CERTIFY UNDER PENALTY OF LAW THAT THE DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A LETTER/DIRECTIVE TO AGENCIES THAT QUALIFIED PERSONNEL PREPARED, OBTAINED, AND EVALUATED THE INFORMATION SUBMITTED, USED THE INFORMATION SUBMITTED IN THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS



PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD  
 FROM 04 | 07 | 01 TO 04 | 07 | 31

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Oil & Grease	MEASUREMENT	---	---	---	2.50	25.20	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report			
Oil & Grease	MEASUREMENT	---	---	---	2.5	25.20	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report			
TKN (as N)	MEASUREMENT	---	---	---	0.23	2.32	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report			
TKN (as N)	MEASUREMENT	---	---	---	2.95	29.80	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report			
Chloride	MEASUREMENT	---	---	---	1,674	16,893	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report			
Chloride	MEASUREMENT	---	---	---	1,900	19,174	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report			
Chlorate	MEASUREMENT	---	---	---	319	3,219	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	---	Monitor & Report	Monitor & Report			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED									
TELEPHONE: 702-651-2200 DATE: 04 / 10 / 26 AREA CODE NUMBER: 702-651-2200 YEAR MO DAY									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER: <i>Susan Crowley</i> OFFICER OR AUTHORIZED AGENT									

STATE, UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY ACQUAINTANCE WITH THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THESE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION; THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE; I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

KERR-McGEE CHEMICAL LLC  
 NAME: PO BOX 55  
 ADDRESS: HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

MONITORING PERIOD

FROM 04 | 07 | 01 TO 04 | 07 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Chlorate Effluent	SAMPLE MEASUREMENT	-----		6	31	60.50	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
Radium 226 + 228 Effluent	SAMPLE MEASUREMENT	-----		1.960	2.600	19.80	pCi/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
Gross Alpha Effluent	SAMPLE MEASUREMENT	-----		16.0	17.0	161.50	pCi/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
BODs (Inhibited) Influent Gross Value	SAMPLE MEASUREMENT	-----		1.5	1.5	15.10	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		25 mg/L Maximum	45 mg/L Maximum	Monitor & Report				
	SAMPLE MEASUREMENT	-----								
	PERMIT REQUIREMENT	-----								
	SAMPLE MEASUREMENT	-----								
	PERMIT REQUIREMENT	-----								
	SAMPLE MEASUREMENT	-----								
	PERMIT REQUIREMENT	-----								
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley			SIGNATURE OF PRINCIPAL EXECUTIVE <i>Susan Crowley</i>				TELEPHONE	DATE		
Staff Environmental Specialist			OFFICER OR AUTHORIZED AGENT				702-651-2200	04   10   26		
TYPED OR PRINTED							AREA CODE NUMBER	YEAR	MO	DAY

I CERTIFY UNDER PENALTY OF LAW THAT THE DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A PERMIT GRANTED TO ASSESS THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY KNOWLEDGE OF THE PERMIT OR PROGRAM WHO MANAGE THE FACILITY OR THESE PERSONS DIRECTLY, I AM PROVIDING THE INFORMATION IN THIS REPORT AS TRUTHFUL AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AM NOT PROVIDING THIS INFORMATION FOR ANY OTHER PURPOSES. I AM NOT PROVIDING THIS INFORMATION FOR ANY OTHER PURPOSES. I AM NOT PROVIDING THIS INFORMATION FOR ANY OTHER PURPOSES.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000 uki

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

FROM 04 | 08 | 01 TO 04 | 08 | 31

NO DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (lb/day)	30 Day Ave (mg/l)	7 Day Ave (mg/l)	UNIT				
Flow	MEASUREMENT	1.29	1.32	MGD					0	Cont	Flow Meter
	PERMIT REQUIREMENT	1.25 MGD Maximum	1.75 MGD Maximum								
Perchlorate (IX)	MEASUREMENT				NA	NA	%		0	Weekly	Comp
	PERMIT REQUIREMENT				97% Removal of 3 ppm in effluent	Monitor & Report					
Perchlorate (BIO)	MEASUREMENT				57.0*	220.0	ug/l		0	Weekly	Comp
	PERMIT REQUIREMENT				18 ug/l	Monitor & Report					
Effluent	MEASUREMENT				5.9	10.3	mg/l		0	Weekly	Discrete
	PERMIT REQUIREMENT				25 mg/l Maximum	40 mg/l Maximum					
BOD <sub>5</sub> (inhibited)	MEASUREMENT				6.9	7.3	SU		0	Weekly	Discrete
	PERMIT REQUIREMENT				5.5 Minimum	9.0 Maximum					
Effluent Gross Value	MEASUREMENT				1.33	2.80	mg/l		0	Weekly	Discrete
	PERMIT REQUIREMENT				10 mg/l	Monitor & Report					
pH	MEASUREMENT				0.46	0.61	mg/l		0	Weekly	Discrete
	PERMIT REQUIREMENT				5 mg/l	Monitor & Report					
Iron, Total	MEASUREMENT				2.53	3.00	mg/l		0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report					
Manganese	MEASUREMENT										
	PERMIT REQUIREMENT										
Effluent	MEASUREMENT										
	PERMIT REQUIREMENT										
Boron	MEASUREMENT										
	PERMIT REQUIREMENT										
Effluent	MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER				SIGNATURE OF PRINCIPAL EXECUTIVE				TELEPHONE	DATE		
Susan Crowley				<i>Susan Crowley</i>				702-651-2200	04 / 10 / 27		
TYPED OR PRINTED				OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER	YEAR MO DAY		
Staff Environmental Specialist											

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

NA - Not Applicable.

\* KMG Authorization to Discharge Permit No. NV 0023060 signed March 3, 2004 states Part 1 I.A.16. under Schedule of Compliance:

"Within 9 months of permit issuance, the Permittee shall achieve compliance with the 18ug/l perchlorate limitation for the operation of the fluidized bed reactor biological treatment system."

00044661223-1801

**FACILITY:** KERR-McGEE CHEMICAL LLC

**LOCATION:** HENDERSON, NV  
**Attn:** SUSAN M. CROWLEY

**PERMITTEE NAME/ADDRESS:** KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

**MONITORING PERIOD**  
 FROM 04 | 08 | 01 TO 04 | 08 | 31

**NO DISCHARGE**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	30 Day Ave (mg/l)			
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	-----	-----	-----	0.015	0.030	0.16	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	Monitor & Report				
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	-----	-----	-----	0.223	0.390	2.40	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	20 lb/day				
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	-----	-----	-----	18.05	19.00	194.19	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	Monitor & Report				
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	-----	-----	-----	1.49	2.80	16.00	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	Monitor & Report				
Nitrate, as N Effluent	SAMPLE MEASUREMENT	-----	-----	-----	2.00	2.00	21.50	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	Monitor & Report				
Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----	-----	-----	1.49	2.80	15.90	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	40 lb/day				
Attachment A Effluent	SAMPLE MEASUREMENT	-----	-----	-----	Please see attached results				0	Quart	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report						
CERTIFY UNDER PENALTY OF LAW THAT THE DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A METHOD DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. I ACCEPT FULL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS OF THE INFORMATION SUBMITTED AND COMPLETELY AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROBABILITY FOR KNOWING VIOLATIONS.											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Signature: <i>Susan Crowley</i> TYPED OR PRINTED STAFF Environmental Specialist											
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											
									TELEPHONE	DATE	
									702-651-2200	04   10   27	
										AREA CODE NUMBER	YEAR, MO, DAY

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 08 | 01 TO 04 | 08 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Unionized Ammonia, as N Influent	SAMPLE MEASUREMENT	-----		1.0	1.4	10.97	0	Weekly	Calc
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Unionized Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----		0.5	1.1	5.20	0	Weekly	Calc
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Hexavalent Chromium Influent	SAMPLE MEASUREMENT	-----		0.001	0.001	0.01	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Hexavalent Chromium Effluent	SAMPLE MEASUREMENT	-----		0.000	0.000	0.00	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Total Chromium Influent	SAMPLE MEASUREMENT	-----		0.003	0.003	0.03	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Total Chromium Effluent	SAMPLE MEASUREMENT	-----		0.003	0.003	0.03	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Total Suspended Solids Influent	SAMPLE MEASUREMENT	-----		6.25	10.00	67.2	0	Weekly	Discrete
	PERMIT REQUIREMENT			135 mg/l	Monitor & Report	Monitor & Report			

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-661-2200  
 AREA CODE NUMBER: 702-661-2200  
 DATE: 04/10/27  
 YEAR: 04  
 MO: 10  
 DAY: 27

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD  
 FROM 04 | 08 | 01 TO 04 | 08 | 31

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Color	---	---	---	6	10	---	0	Weekly	Discrete	
Influent	---	---	---	Monitor & Report	---	---	0	---	---	
Color	---	---	---	10	10	---	0	Weekly	Discrete	
Effluent	---	---	---	Monitor & Report	---	---	0	---	---	
Total Dissolved Solids	---	---	---	6,147	6,350	66,133	0	Weekly	Discrete	
Influent	---	---	---	Monitor & Report	---	Monitor & Report	0	---	---	
Total Dissolved Solids	---	---	---	5,842	6,020	62,851	0	Weekly	Discrete	
Effluent	---	---	---	Monitor & Report	---	Monitor & Report	0	---	---	
Sulfide	---	---	---	0.05	0.05	0.54	0	Weekly	Discrete	
Influent	---	---	---	Monitor & Report	---	Monitor & Report	0	---	---	
Sulfide	---	---	---	0.05	0.05	0.54	0	Weekly	Discrete	
Effluent	---	---	---	Monitor & Report	---	Monitor & Report	0	---	---	
Dissolved Oxygen	---	---	---	4.58	6.87	49.30	0	Weekly	Discrete	
Effluent	---	---	---	Monitor & Report	---	Monitor & Report	0	---	---	
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A LETTERHEAD DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE OPERATION OF THESE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AM NOT PROVIDING THIS INFORMATION FOR ANY OTHER PURPOSES. I UNDERSTAND THAT I AM SUBJECT TO PENALTIES FOR FALSIFYING INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist							TELEPHONE 702-651-2200			DATE 04/10/27
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT [Signature]			AREA CODE NUMBER YEAR MO DAY

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 08 | 01 TO 04 | 08 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Oil & Grease Influent	SAMPLE MEASUREMENT	-----		2.50	2.50	26.90	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Oil & Grease Effluent	SAMPLE MEASUREMENT	-----		2.5	2.5	26.90	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
TKN (as N) Influent	SAMPLE MEASUREMENT	-----		0.10	0.10	1.08	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
TKN (as N) Effluent	SAMPLE MEASUREMENT	-----		3.33	4.70	35.80	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Chloride Influent	SAMPLE MEASUREMENT	-----		1,950	2,100	20,979	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Chloride Effluent	SAMPLE MEASUREMENT	-----		2,075	2,200	22,324	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
Chlorate Influent	SAMPLE MEASUREMENT	-----		250	330	2,690	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
<p>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER                  Susan Crowley                  Staff Environmental Specialist</p>									
<p>TELEPHONE: 702-651-2200                  DATE: 04/10/27                  AREA CODE NUMBER: 702                  YEAR MO DAY: 04 10 27</p>									
<p>SIGNATURE OF PRINCIPAL EXECUTIVE: <i>S.M. Crowley</i>                  OFFICER OR AUTHORIZED AGENT</p>									

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A METHOD DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE AND CORRECT. I AM NOT PROVIDING ANY INFORMATION THAT IS UNLAWFUL OR UNETHICAL. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND CORRECT. I AM NOT PROVIDING ANY INFORMATION THAT IS UNLAWFUL OR UNETHICAL. I AM NOT PROVIDING ANY INFORMATION THAT IS UNLAWFUL OR UNETHICAL.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS





PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000 UKI

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

MONITORING PERIOD  
 FROM 04 | 09 | 01 TO 04 | 09 | 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	1.28	1.32	MGD				0	Cont	Flow Meter
Effluent	1.45 MGD Maximum	1.75 MGD Maximum							
Perchlorate (IX)				NA	NA		0	Weekly	Comp
% Removal				97% Removal of 3 ppm in effluent		Monitor & Report			
Perchlorate (BIO)				77.0*	210.0		0	Weekly	Comp
Effluent				18 ug/l	Monitor & Report				
BOD <sub>5</sub> (Inhibited)				3.5	5.7	36.70	0	Weekly	Discrete
Effluent Gross Value				25 mg Maximum	40 mg Maximum	25 lb/day			
pH				6.5	6.6		0	Weekly	Discrete
Effluent				6.5 Minimum	9.0 Maximum				
Iron, Total				2.63	4.60	27.90	0	Weekly	Discrete
Effluent				10 mg	Monitor & Report	Monitor & Report			
Manganese				0.46	0.59	4.80	0	Weekly	Discrete
Effluent				5 mg	Monitor & Report	Monitor & Report			
Boron				3.38	3.60	35.9	0	Weekly	Discrete
Effluent				Monitor & Report	Monitor & Report	Monitor & Report			

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley

Signature: *Susan Crowley*

TELEPHONE: 702-651-2200  
 AREA CODE NUMBER: 702-651-2200

DATE: 04 10 | 27  
 YEAR, MO, DAY

STAFF ENVIRONMENTAL SPECIALIST  
 TYPED OR PRINTED

OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 NA - Not applicable.  
 \* KMG Authorization to Discharge Permit No. NV 0023060 signed March 3, 2004 states Part 1 A.16. under Schedule of Compliance:  
 "Within 9 months of permit issuance, the Permittee shall achieve compliance with the 18ug/l perchlorate limitation for the operation of the fluidized bed reactor biological treatment system."

**FACILITY:** KERR-McGEE CHEMICAL LLC  
**MONITORING PERIOD**  
 FROM 04 | 09 | 01 TO 04 | 09 | 30  
 NO DISCHARGE

**LOCATION:** HENDERSON, NV  
**Attn:** SUSAN M. CROWLEY  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	---	---	0.018	0.040	0.19	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	---	---	0.298	0.510	3.17	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	---	---	7.88	12.00	83.86	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	---	---	1.39	2.00	14.80	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
Nitrate, as N Effluent	SAMPLE MEASUREMENT	---	---	2.50	4.00	26.60	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
Ammonia, as N Effluent	SAMPLE MEASUREMENT	---	---	1.39	2.00	14.74	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---
Attachment A Effluent	SAMPLE MEASUREMENT	---	---	Please see attached results			---	---	---
	PERMIT REQUIREMENT	---	---	Monitor & Report			---	---	---

**NAME / TITLE PRINCIPAL EXECUTIVE OFFICER**  
 Susan Crowley  
**Staff Environmental Specialist**  
 TYPED OR PRINTED

**SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER**  
*Susan Crowley*  
 OFFICER OR AUTHORIZED AGENT

**TELEPHONE**  
 702-651-2200  
**AREA CODE NUMBER**

**DATE**  
 04 | 10 | 27  
**YEAR MO DAY**

**COMMENT AND EXPLANATION OF ANY VIOLATIONS**

(Reference all attachments here)

00044/981223-1801

PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

FROM 04 | 09 | 01 TO 04 | 09 | 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Unionized Ammonia, as N	---	---		1.1	1.4	11.84	0	Weekly	Calc
Influent	SAMPLE MEASUREMENT			Monitor & Report		Monitor & Report			
	PERMIT REQUIREMENT								
Unionized Ammonia, as N	---	---		0.2	0.2	1.80	0	Weekly	Calc
Influent	SAMPLE MEASUREMENT			Monitor & Report		Monitor & Report			
	PERMIT REQUIREMENT								
Hexavalent Chromium	---	---		0.001	0.001	0.01	0	Weekly	Discrete
Influent	SAMPLE MEASUREMENT			Monitor & Report		Monitor & Report			
	PERMIT REQUIREMENT								
Hexavalent Chromium	---	---		0.000	0.000	0.00	0	Weekly	Discrete
Influent	SAMPLE MEASUREMENT			Monitor & Report		Monitor & Report			
	PERMIT REQUIREMENT								
Total Chromium	---	---		0.004	0.010	0.04	0	Weekly	Discrete
Influent	SAMPLE MEASUREMENT			Monitor & Report		Monitor & Report			
	PERMIT REQUIREMENT								
Total Chromium	---	---		0.005	0.014	0.05	0	Weekly	Discrete
Influent	SAMPLE MEASUREMENT			Monitor & Report		Monitor & Report			
	PERMIT REQUIREMENT								
Total Suspended Solids	---	---		16.25	27.00	172.9	0	Weekly	Discrete
Influent	SAMPLE MEASUREMENT			135 mg/L	Monitor & Report	Monitor & Report			
	PERMIT REQUIREMENT								

*S. Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 DATE  
 04 | 10 | 27  
 AREA CODE NUMBER  
 702-651-2200  
 YEAR MO DAY

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist

TYPED OR PRINTED

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY  
 FROM: 04 | 09 | 01 TO: 04 | 09 | 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Color Influent	SAMPLE MEASUREMENT	-----		9	10	-----	ACU	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	-----	-----			
Color Effluent	SAMPLE MEASUREMENT	-----		9	10	-----	ACU	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	-----	-----			
Total Dissolved Solids Influent	SAMPLE MEASUREMENT	-----		6,150	6,270	65,447	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	-----	Monitor & Report			
Total Dissolved Solids Effluent	SAMPLE MEASUREMENT	-----		5,860	5,970	62,361	mg/L	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	-----	Monitor & Report			
Sulfide Influent	SAMPLE MEASUREMENT	-----		0.05	0.05	0.53	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	-----	Monitor & Report			
Sulfide Effluent	SAMPLE MEASUREMENT	-----		0.05	0.05	0.53	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	-----	Monitor & Report			
Dissolved Oxygen Effluent	SAMPLE MEASUREMENT	-----		7.57	9.85	80.50	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	-----	Monitor & Report			

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-651-2200  
 DATE: 04 | 10 | 27  
 AREA CODE NUMBER: 702  
 YEAR: 04  
 MO: 10  
 DAY: 27

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

FACILITY: KERR-McGEE CHEMICAL LLC  
 MONITORING PERIOD  
 FROM 04 | 09 | 01 TO 04 | 09 | 30  
 NO DISCHARGE

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)			
Oil & Grease Influent	SAMPLE MEASUREMENT	-----		2.50	2.50	26.60	mg/l	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report		
Oil & Grease Effluent	SAMPLE MEASUREMENT	-----		2.5	2.5	26.60	mg/l	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report		
TKN (as N) Influent	SAMPLE MEASUREMENT	-----		0.10	0.10	1.06	mg/l	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report		
TKN (as N) Effluent	SAMPLE MEASUREMENT	-----		4.23	6.50	45.00	mg/L	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report		
Chloride Influent	SAMPLE MEASUREMENT	-----		1,900	2,000	20,220	mg/l	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report		
Chloride Effluent	SAMPLE MEASUREMENT	-----		2,050	2,300	21,816	mg/l	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report		
Chlorate Influent	SAMPLE MEASUREMENT	-----		293	330	3,116	mg/l	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report		

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 TELEPHONE  
 702-651-2200  
 DATE  
 04 | 10 | 27  
 AREA CODE NUMBER  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 TYPED OR PRINTED  
 (Reference all attachments here)

PERMITTEE NAME/ADDRESS: **KERR-McGEE CHEMICAL LLC**  
 NAME: **PO BOX 55**  
 ADDRESS: **HENDERSON, NV 89009-7000**

FACILITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

MONITORING PERIOD  
 FROM **04 | 09 | 01** TO **04 | 09 | 30** **NO DISCHARGE**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Chlorate	MEASUREMENT	-----		0.076	0.170	0.80	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
	MEASUREMENT	-----		1.870	2.580	19.90	0	Weekly	Discrete
Radium 226 + 228	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
	MEASUREMENT	-----		15.5	23.0	164.90	0	Weekly	Discrete
Gross Alpha	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	Monitor & Report			
	MEASUREMENT	-----		1.5	1.5	16.00	0	Weekly	Discrete
BODs (inhibited)	PERMIT REQUIREMENT			25 mg/L Maximum	45 mg/L Maximum	Monitor & Report			
	MEASUREMENT	-----							
Influent Gross Value	PERMIT REQUIREMENT								
	MEASUREMENT	-----							
	PERMIT REQUIREMENT								
	MEASUREMENT	-----							
	PERMIT REQUIREMENT								
	MEASUREMENT	-----							
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A PERMIT OR ORDER ISSUED BY THE EPA OR THE STATE OF NEVADA. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.									
NAME / TITLE: <b>Susan Crowley</b> <b>Principal Executive Officer</b> TYPED OR PRINTED: <b>Susan Crowley</b>							TELEPHONE: <b>702-651-2200</b> AREA CODE NUMBER: <b>702-651-2200</b>		DATE: <b>04/10/27</b> YEAR MO DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS: <b>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</b>									

## **ATTACHMENT 2**

**Summary of  
Supporting Analytical  
-  
Influent / Effluent  
Wash  
M-10 Upgradient Well**

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:27:18 AM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070051	2407130071	2407200085	2407270040
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks	Superseded			

## Other

Apparent Color	dmn Color	5 v	5 v	10 v	10 v
Surfactants	mg/l		2.7 vd		
Total Dissolved Solids	mg/l	6140 v	6300 v	6970 v	6220 v
Total Organic Carbon	mg/l		1.6 v		
Total Suspended Solids	mg/l		10 u		
Laboratory pH	s.u.	7.2 v	7.2 v	7.3 v	7.2 v

## Metals

Antimony	mg/l		0.001 u		
Arsenic	mg/l		0.071 v		
Barium	mg/l		0.023 v		
Beryllium	mg/l		0.001 u		
Boron	mg/l		3.3 v		
Cadmium	mg/l		0.0005 u		
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0014 v	0.0016 v	0.0015 v	0.0008 v
Copper	mg/l		0.0023 v		
Iron	mg/l		0.01 u		
Lead	mg/l		0.0005 u		
Magnesium	mg/l		180 v		
Manganese	mg/l		0.65 vd		
Mercury	mg/l		0.0002 u		
Molybdenum	mg/l		0.065 v		
Nickel	mg/l		0.018 v		
Potassium	mg/l		30 v		
Selenium	mg/l		0.02 u		
Sodium	mg/l		1300 v		
Strontium	mg/l		11 vd		
Thallium	mg/l		0.001 u		
Vanadium	mg/l		0.061 v		
Zinc	mg/l		0.005 u		
Arsenic III	ug/l		36 v		

## Inorganics

Percent Unionized Ammonia	%	0.873 v	0.873 v	1.1 v	0.873 v
25C					
Ammonia (as N)	mg/l	0.4 v	2.28 vd	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l		100 u		
Chloride	mg/l	1900 vd	1900 vd	1300 vd	1900 vd
Nitrate (as N)	mg/l	17 vd	15 vd	21 vd	50 vd
Nitrate/Nitrite	mg/l	17.4 v	17.3 v	21 v	50 v
Nitrite	mg/l	2 ud	2 ud	2 ud	4 ud
Sulfate	mg/l		1600 vd		

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:27:18 AM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070051	2407130071	2407200085	2407270040
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				
	sulfide mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.01 v	0.01 u	0.01 u	0.01 u
Chlorate	ug/l	360000 vd	360000 vd	450000 vd	340000 vd
Perchlorate	ug/l	170000 vd	170000 vd	210000 vd	160000 vd
<b>Radiologic</b>					
Gross Alpha	pCi/l		20 v		
Ra-226 - soluble	pCi/l		1.34 v		
Ra-228 - soluble	pCi/l		0.667 v		
<b>Dioxins and Furans</b>					
Tetrahydrofuran	ug/l		10 u		
<b>Herbicides</b>					
2,4,5-T	ug/l		0.4 u		
2,4,5-TP (Silvex)	ug/l		0.4 u		
2,4-D	ug/l		0.4 u		
2,4-DB	ug/l		0.4 u		
Dalapon	ug/l		0.4 u		
Dicamba	ug/l		0.4 u		
Dichlorprop	ug/l		0.4 u		
Dinoseb	ug/l		0.4 u		
<b>Hydrocarbon</b>					
Oil and grease	mg/l	5 u	5 u	5 u	5 u
<b>PCBs</b>					
Aroclor-1016	ug/l		0.1 u		
Aroclor-1221	ug/l		0.1 u		
Aroclor-1232	ug/l		0.1 u		
Aroclor-1242	ug/l		0.1 u		
Aroclor-1248	ug/l		0.1 u		
Aroclor-1254	ug/l		0.1 u		
Aroclor-1260	ug/l		0.1 u		
<b>Pesticides</b>					
4,4-DDD	ug/l		0.01 u		
4,4-DDE	ug/l		0.01 u		
4,4-DDT	ug/l		0.01 u		
Aldrin	ug/l		0.01 u		
Alpha-BHC	ug/l		0.14 v		
Beta-BHC	ug/l		0.1 v		
bis(2-ethylhexyl)adipate	ug/l		0.6 u		
Delta-BHC	ug/l		0.22 v		
Dieldrin	ug/l		0.01 u		
Endosulfan I	ug/l		0.01 u		
Endosulfan II	ug/l		0.01 u		
Endosulfan Sulfate	ug/l		0.01 u		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:27:18 AM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070051	2407130071	2407200085	2407270040
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

Endrin	ug/l	0.01 u
Endrin Aldehyde	ug/l	0.01 u
Endrin Ketone	ug/l	0.01 u
Gamma-BHC (Lindane)	ug/l	0.01 u
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.05 u
Molinate	ug/l	0.2 u
Simazine	ug/l	0.05 u
Tech-Chlordane	ug/l	0.1 u
Thiobencarb	ug/l	0.2 u
Toxaphene	ug/l	0.1 u
<b>SVOAs</b>		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u
bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u
Butyl benzyl phthalate	mg/l	0.005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:27:18 AM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070051	2407130071	2407200085	2407270040
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.00005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.00005 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
1,2-Diphenylhydrazine	ug/l	10 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Atrazine	ug/l	0.05 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	0.02 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.0044 v
1,1-Dichloroethene	mg/l	0.0005 u
1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:27:18 AM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070051	2407130071	2407200085	2407270040
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.01 u
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.058 v
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.003 u
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0007 v
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:29:53 AM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070050	2407130070	2407200084	2407270039
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superceded			

**Other**

Apparent Color	dmi Color	10 v	5 v	3 v	5 v
Surfactants	mg/l		0.05 u		
Total Dissolved Solids	mg/l	5760 v	5850 v	3610 v	5930 v
Total Organic Carbon	mg/l		4.6 vd		
Total Suspended Solids	mg/l	13 v	21 v	10 u	10 u
Laboratory pH	s.u.	6.4 v	6.4 v	7.5 v	6.5 v

**Metals**

Antimony	mg/l		0.01 ud		
Arsenic	mg/l		0.017 vd		
Barium	mg/l		0.028 vd		
Beryllium	mg/l		0.01 ud		
Boron	mg/l	3.1 vd	3.4 v	1.5 v	3.2 vd
Cadmium	mg/l		0.005 ud		
Chromium	mg/l	0.005 ud	0.006 vd	0.005 ud	0.001 u
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u
Copper	mg/l		0.02 ud		
Iron	mg/l	0.86 vd	1.2 v	0.012 v	0.2 vd
Lead	mg/l		0.005 ud		
Magnesium	mg/l		170 v		
Manganese	mg/l	0.61 vd	0.66 vd	0.67 vd	0.47 v
Mercury	mg/l		0.0002 u		
Molybdenum	mg/l		0.23 vd		
Nickel	mg/l		0.05 ud		
Potassium	mg/l		29 v		
Selenium	mg/l		0.05 ud		
Sodium	mg/l		1200 v		
Strontium	mg/l		11 vd		
Thallium	mg/l		0.01 ud		
Vanadium	mg/l		0.042 vd		
Zinc	mg/l		0.05 ud		
Arsenic III	ug/l		12 vd		

**Inorganics**

Percent Unionized Ammonia	%	0.139 v	0.139 v	1.73 v	0.175 v
25C					
Ammonia (as N)	mg/l	0.95 v	1.14 v	0.25 v	0.75 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l		67 vd		
Chloride	mg/l	2000 vd	2300 vd	1000 vd	2100 vd
Nitrate (as N)	mg/l	2 ud	0.5 ud	5.8 vd	2 ud
Nitrate/Nitrite	mg/l	0.95 v	1.14 v	6.05 v	0.75 v
Nitrite	mg/l	2 ud	4 ud	2 ud	4 ud
Sulfate	mg/l		1500 vd		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:29:53 AM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070050	2407130070	2407200084	2407270039
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	2.4 v	4.2 v	0.84 v	2.2 v
Total Phosphorus-P	mg/l	0.43 v	0.81 v	0.05 v	0.34 v
Chlorate	ug/l	20 ud	72 v	31000 vd	20 ud
Perchlorate	ug/l	4.5 v	4 u	240 vd	4 u

### Radiologic

Gross Alpha	pCi/l	14 v	17 v	17 v	17 v
Ra-226 - soluble	pCi/l	0.902 v	1.21 v	0.752 v	0.938 u
Ra-228 - soluble	pCi/l	0.951 u	0.639 u	1.86 v	1.16 u

### Dioxins and Furans

Tetrahydrofuran	ug/l		10 u		
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### Herbicides

2,4,5-T	ug/l		0.4 u		
2,4,5-TP (Silvex)	ug/l		0.4 u		
2,4-D	ug/l		0.4 u		
2,4-DB	ug/l		0.65 v		
Dalapon	ug/l		0.4 u		
Dicamba	ug/l		0.4 u		
Dichlorprop	ug/l		0.4 u		
Dinoseb	ug/l		0.4 u		

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### PCBs

Aroclor-1016	ug/l		0.1 u		
Aroclor-1221	ug/l		0.1 u		
Aroclor-1232	ug/l		0.1 u		
Aroclor-1242	ug/l		0.1 u		
Aroclor-1248	ug/l		0.1 u		
Aroclor-1254	ug/l		0.1 u		
Aroclor-1260	ug/l		0.1 u		

### Pesticides

4,4-DDD	ug/l		0.01 u		
4,4-DDE	ug/l		0.01 u		
4,4-DDT	ug/l		0.01 u		
Aldrin	ug/l		0.01 u		
Alpha-BHC	ug/l		0.01 u		
Beta-BHC	ug/l		0.01 u		
bis(2-ethylhexyl)adipate	ug/l		0.6 u		
Delta-BHC	ug/l		0.01 u		
Dieldrin	ug/l		0.01 u		
Endosulfan I	ug/l		0.01 u		
Endosulfan II	ug/l		0.01 u		
Endosulfan Sulfate	ug/l		0.01 u		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:29:53 AM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070050	2407130070	2407200084	2407270039
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks				
	Superseded				

Endrin	ug/l	0.01 u
Endrin Aldehyde	ug/l	0.01 u
Endrin Ketone	ug/l	0.01 u
Gamma-BHC (Lindane)	ug/l	0.01 u
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.05 u
Molinate	ug/l	0.2 u
Simazine	ug/l	0.05 u
Tech-Chlordane	ug/l	0.1 u
Thiobencarb	ug/l	0.2 u
Toxaphene	ug/l	0.1 u
<b>SVOAs</b>		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u
bis(2-Ethylhexyl)phthalate	mg/l	0.004 u
Butyl benzyl phthalate	mg/l	0.005 u

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:29:54 AM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070050	2407130070	2407200084	2407270039
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks				
	Superseded				

Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.01 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
1,2-Diphenylhydrazine	ug/l	10 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Atrazine	ug/l	0.05 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	5 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
VOAs		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.0011 v
1,1-Dichloroethene	mg/l	0.0005 u
1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:29:54 AM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/6/2004	7/12/2004	7/19/2004	7/26/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070050	2407130070	2407200084	2407270039
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.019 v
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.003 v
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.019 v
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0005 u
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:28:23 AM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	8/2/2004	8/12/2004	8/16/2004	8/23/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2408030019	2408130213	2408170060	2408240010
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

## Other

Apparent Color	dm Color	5 v	5 v	10 v	5 v
Total Dissolved Solids	mg/l	6350 v	6120 v	6100 v	6020 v
Laboratory pH	s.u.	7.4 v	7.3 v	6.6 v	7.4 v

## Metals

Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0008 v	0.0012 v	0.0012 v	0.0014 v

## Inorganics

Percent Unionized Ammonia	%	1.38 v	1.1 v	0.221 v	1.38 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.07 v	0.06 v	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1900 vd	1900 vd	1900 vd	2100 vd
Nitrate (as N)	mg/l	19 vd	16 vd	18 vd	19 vd
Nitrate/Nitrite	mg/l	19 v	16.1 v	18.1 v	19 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.01 u	0.01 u	0.03 v	0.02 v
Chlorate	ug/l	330000 vd	240000 vd	210000 vd	220000 vd
Perchlorate	ug/l	150000 vd	120000 vd	120000 vd	120000 vd

## Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:30:23 AM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	8/2/2004	8/12/2004	8/16/2004	8/23/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2408030018	2408130212	2408170059	2408240009
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superceded			

### Other

Parameter	Unit	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Apparent Color	dmi Color	10 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	6020 v	5820 v	5760 v	5770 v
Total Suspended Solids	mg/l	10 v	10 u	10 u	10 u
Laboratory pH	s.u.	6.7 v	6.7 v	7.3 v	6.7 v

### Metals

Parameter	Unit	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Boron	mg/l	3 vd	2.8 vd	1.4 vd	2.9 vd
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u
Iron	mg/l	1.3 vd	2.8 vd	0.8 vd	0.4 vd
Manganese	mg/l	0.46 vd	0.39 vd	0.37 vd	0.61 vd

### Inorganics

Parameter	Unit	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Percent Unionized Ammonia	%	0.278 v	0.278 v	1.1 v	0.278 v
Ammonia (as N)	mg/l	0.85 v	1.1 v	1.2 v	2.8 vd
Biochemical oxygen demand	mg/l	8.12 v	10.3 v	3 u	3.78 v
Chloride	mg/l	2200 vd	2000 vd	2100 vd	2000 vd
Nitrate (as N)	mg/l	4 ud	4 ud	4 ud	4 ud
Nitrate/Nitrite	mg/l	0.85 v	1.1 v	1.2 v	2.8 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	3.6 v	3 v	2 v	4.7 v
Total Phosphorus-P	mg/l	0.27 v	0.39 v	0.07 v	0.16 v
Chlorate	ug/l	20 ud	20 ud	42 vd	10 u
Perchlorate	ug/l	320 vd	4 u	4 u	4 u

### Radiologic

Parameter	Unit	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Gross Alpha	pCi/l	13 u	21 v	20 v	31 v
Ra-226 - soluble	pCi/l	1.51 v	0.566 u	0.739 v	0.527 u
Ra-228 - soluble	pCi/l	0.816 u	0.591 u	0.737 v	0.726 u

### Hydrocarbon

Parameter	Unit	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Oil and grease	mg/l	5 u	5 u	5 u	5 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

10/27/2004 10:23:50 AM

Sample Type:	Station (Site)	Influent	Influent	Influent
Water	Sample Date	8/30/2004	9/7/2004	9/20/2004
	Lab	MWL	MWL	MWL
	Lab Number	2408310025	2409080003	2409210024
	Sample Number	INFLUENT	INFLUENT	INFLUENT
	Remarks			
	Superseded			

### Other

Parameter	Unit	8/30/2004	9/7/2004	9/20/2004
Apparent Color	dmn Color	10 v	10 v	5 v
Total Dissolved Solids	mg/l	6000 v	6270 v	6100 v
Laboratory pH	s.u.	7.3 v	7.2 v	7.4 v

### Metals

Parameter	Unit	8/30/2004	9/7/2004	9/20/2004
Chromium	mg/l	0.005 ud	0.005 ud	0.0057 vd
Chromium-hexavalent	mg/l	0.0019 v	0.0007 v	0.0007 v

### Inorganics

Parameter	Unit	8/30/2004	9/7/2004	9/20/2004
Percent Unionized Ammonia	%	1.1 v	0.873 v	1.38 v
25C				
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.33 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u
Chloride	mg/l	2000 vd	1900 vd	1900 vd
Nitrate (as N)	mg/l	12 vd	7.5 vd	5.4 vd
Nitrate/Nitrite	mg/l	12 v	7.5 v	5.73 v
Nitrite	mg/l	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.04 v	0.01 u	0.021 v
Chlorate	ug/l	223000 vd	318000 vd	330000 vd
Perchlorate	ug/l	120000 vd	140000 vd	160000 vd

### Hydrocarbon

Parameter	Unit	8/30/2004	9/7/2004	9/20/2004
Oil and grease	mg/l	5 u	5 u	5 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

10/27/2004 10:25:20 AM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	8/30/2004	9/7/2004	9/20/2004
	Lab	MWL	MWL	MWL
	Lab Number	2408310023	2409080002	2409210023
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks			
	Superseded			

## Other

Apparent Color	dmi Color	10 v	10 v	5 v
Total Dissolved Solids	mg/l	5670 v	5970 v	5940 v
Total Suspended Solids	mg/l	14 v	10 v	14 v
Laboratory pH	s.u.	6.6 v	6.4 v	6.5 v

## Metals

Boron	mg/l	3.1 v	3.5 vd	3.6 vd
Chromium	mg/l	0.005 ud	0.005 ud	0.014 vd
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u
Iron	mg/l	1.7 v	1.4 vd	2.8 vd
Manganese	mg/l	0.4 vd	0.47 vd	0.59 vd

## Inorganics

Percent Unionized Ammonia	%	0.221 v	0.139 v	0.175 v
25C				
Ammonia (as N)	mg/l	1.3 v	0.94 v	1.3 v
Biochemical oxygen demand	mg/l	3.1 v	5.7 v	3 u
Chloride	mg/l	1900 vd	2300 vd	2000 vd
Nitrate (as N)	mg/l	4 ud	4 ud	8 ud
Nitrate/Nitrite	mg/l	1.3 v	0.94 v	1.3 v
Nitrite	mg/l	4 ud	4 ud	8 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	4.3 v	3.2 v	2.9 v
Total Phosphorus-P	mg/l	0.31 v	0.16 v	0.21 v
Chlorate	ug/l	170 v	110 v	40 ud
Perchlorate	ug/l	29 v	1300 vd	4 u

## Radiologic

Gross Alpha	pCi/l	11 u	12 v	23 v
Ra-226 - soluble	pCi/l	0.625 u	0.537 v	0.878 v
Ra-228 - soluble	pCi/l	0.941 u	0.793 u	1.11 u

## Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:39:18 AM

Sample Type:	Station (Site)	Influent-Comp	Influent-Comp	Influent-Comp	Influent-Comp
Water	Sample Date	7/3/2004	7/10/2004	7/17/2004	7/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070147	2407130154	2407200278	2407270291
	Sample Number	INFLUENT-COMP	INFLUENT-COMP	INFLUENT-COMP	INFLUENT-COMP
	Remarks				
	Superseded				

## Inorganics

Perchlorate	ug/l	160000 vd	160000 vd	180000 vd	160000 vd
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### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				



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**Analyses Summary Report**

Site Name: Henderson

10/27/2004 9:39:55 AM

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Sample Type:	Station (Site)	Influent-Comp	Influent-Comp	Influent-Comp	Influent-Comp
Water	Sample Date	8/7/2004	8/14/2004	8/21/2004	8/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2408100149	2408170157	2408240152	2408310155
	Sample Number	INFLUENT-COMP	INFLUENT-COMP	INFLUENT-COMP	INFLUENT-COMP
	Remarks				
	Superceded				

**Inorganics**

Perchlorate	ug/l	150000 vd	130000 vd	120000 vd	121000 vd
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**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

10/27/2004 10:27:40 AM

Sample Type:	Station (Site)	Influent-Comp	Influent-Comp	Influent-Comp	Influent-Comp
Water	Sample Date	9/4/2004	9/11/2004	9/18/2004	9/25/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2409080161	2409140241	2409210055	2409280066
	Sample Number	INFLUENT-COMP	INFLUENT-COMP	INFLUENT-COMP	INFLUENT-COMP
	Remarks				
	Superseded				

## Inorganics

Perchlorate	ug/l	140000 vd	160000 vd	150000 vd	160000 vd
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### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:35:44 AM

Sample Type:	Station (Site)	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp
Water	Sample Date	7/3/2004	7/10/2004	7/16/2004	7/17/2004	7/20/2004	7/24/2004
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2407070144	2407130153	2407210390	2407210393	2407270289	2407270293
	Sample Number	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP

Remarks  
Superceded

## Inorganics

Perchlorate	ug/l	110 vd	12 v	4 u	4 u	74 v	4 u
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### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

10/27/2004 9:37:42 AM

Sample Type:	Station (Site)	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp
Water	Sample Date	8/7/2004	8/11/2004	8/14/2004	8/21/2004	8/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2408100148	2408170159	2408170156	2408240146	2408310154
	Sample Number	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP
	Remarks	Superseded				

## Inorganics

Perchlorate	ug/l	180 vd	6.2 v	4 u	4 u	31 vd
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### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

10/27/2004 10:27:14 AM

Sample Type:	Station (Site)	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp
Water	Sample Date	9/4/2004	9/11/2004	9/18/2004	9/25/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2409080159	2409140239	2409210054	2409280065
	Sample Number	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP	EFFLUENT-COMP
	Remarks				
	Superseded				

## Inorganics

Perchlorate	ug/l	230 vd	4 u	96 vd	4 u
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### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

10/26/2004 4:15:01 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	7/6/2004	7/6/2004	7/6/2004	7/6/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407070049	2407070048	2407070047	2407070045
	Sample Number	LVW .55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

### Other

Parameter	Unit	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Apparent Color	pcu		15 v	15 v	15 v
Total Dissolved Solids	mg/l		1660 v	1670 v	1620 v

### Metals

Parameter	Unit	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Boron	mg/l		0.67 vd	0.65 vd	0.64 vd
Chromium	mg/l		0.001 u	0.001 u	0.0014 v
Copper	mg/l		0.003 v	0.0036 v	0.0039 v
Iron	mg/l		0.19 vd	0.16 vd	0.16 vd
Manganese	mg/l		0.051 v	0.051 v	0.046 v
Molybdenum	mg/l		0.021 v	0.022 v	0.02 v

### Inorganics

Parameter	Unit	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Chloride	mg/l		330 vd	330 vd	310 vd
Fluoride	mg/l		0.979 v	1.01 v	1.05 v
Nitrate (as N)	mg/l		15 vd	15 vd	16 vd
Nitrate/Nitrite	mg/l		15 v	15 v	16 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.15 v			
Perchlorate	ug/l	160 vd	84 vd	84 vd	39 vd

### Radiologic

Parameter	Unit	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Gross Alpha	pCi/l		4.6 v	6.5 v	3.4 v
Ra-226 - soluble	pCi/l		0.569 u	0.795 v	0.522 v
Ra-228 - soluble	pCi/l		0.989 u	0.755 v	0.982 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

10/26/2004 4:15:38 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	7/19/2004	7/19/2004	7/19/2004	7/19/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2407200090	2407200089	2407200088	2407200087
	Sample Number	LVW .55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superceded			

### Other

Apparent Color	dm	Color	20 v	20 v	20 v
Total Dissolved Solids	mg/l		1610 v	1580 v	1570 v

### Metals

Boron	mg/l		0.66 vd	0.74 vd	0.66 vd
Chromium	mg/l		0.0012 v	0.001 u	0.001 u
Copper	mg/l		0.004 v	0.003 v	0.0042 v
Iron	mg/l		0.28 vd	0.25 vd	0.26 vd
Manganese	mg/l		0.053 v	0.052 v	0.053 v
Molybdenum	mg/l		0.02 v	0.02 v	0.02 v

### Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 v	0.05 u	0.06 v
Chloride	mg/l		300 vd	300 vd	280 vd
Fluoride	mg/l		0.97 v	0.97 v	0.97 v
Nitrate (as N)	mg/l		14 vd	13 vd	13 vd
Nitrate/Nitrite	mg/l		14 v	13 v	13.1 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.14 v			
Perchlorate	ug/l	160 vd	76 vd	83 vd	31 vd

### Radiologic

Gross Alpha	pCi/l		3.9 v	5.6 v	3 u
Ra-226 - soluble	pCi/l		0.659 u	0.8 u	0.425 u
Ra-228 - soluble	pCi/l		1.16 v	0.961 v	2.89 v

### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

10/26/2004 4:27:32 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	8/2/2004	8/2/2004	8/2/2004	8/2/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2408030035	2408030023	2408030022	2408030021
	Sample Number	LVW .55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

## Other

Apparent Color	dm	Color	25 v	25 v	25 v
Total Dissolved Solids	mg/l		1610 v	1580 v	1480 v

## Metals

Boron	mg/l		0.6 vd	0.56 vd	0.55 vd
Chromium	mg/l		0.001 u	0.001 u	0.0018 v
Copper	mg/l		0.0033 v	0.0028 v	0.0041 v
Iron	mg/l		0.15 vd	0.26 vd	1 vd
Manganese	mg/l		0.041 v	0.057 v	0.069 v
Molybdenum	mg/l		0.021 v	0.019 v	0.019 v

## Inorganics

Ammonia (as N)	mg/l	0.057 v	0.16 v	0.14 v	0.11 v
Chloride	mg/l		290 vd	290 vd	280 vd
Fluoride	mg/l		0.92 v	0.93 v	0.92 v
Nitrate (as N)	mg/l		11 vd	11 vd	13 vd
Nitrate/Nitrite	mg/l		11.2 v	11.1 v	13.1 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.1 v			
Perchlorate	ug/l	180 vd	71 vd	62 vd	24 vd

## Radiologic

Gross Alpha	pCi/l		5.2 v	4.1 v	4.4 v
Ra-226 - soluble	pCi/l		0.58 u	1.11 v	1.29 v
Ra-228 - soluble	pCi/l		0.579 u	0.576 u	0.569 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



# Analyses Summary Report

Site Name: Henderson

10/26/2004 4:27:59 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	8/16/2004	8/16/2004	8/16/2004	8/16/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2408170065	2408170064	2408170063	2408170062
	Sample Number	LVW .55	LVW 5.5	LVW 6.05LVW UPGRADIENT	
	Remarks	Superseded			

## Other

Apparent Color	dm	Color	20 v	20 v	20 v
Total Dissolved Solids	mg/l		1470 v	1470 v	1390 v

## Metals

Boron	mg/l		0.54 vd	0.55 vd	0.51 vd
Chromium	mg/l		0.0021 v	0.002 v	0.0019 v
Copper	mg/l		0.005 v	0.0048 v	0.0073 v
Iron	mg/l		1.3 vd	1.2 vd	0.9 vd
Manganese	mg/l		0.072 v	0.078 v	0.057 v
Molybdenum	mg/l		0.022 v	0.022 v	0.021 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u	0.06 v	0.05 u
Chloride	mg/l		270 vd	270 vd	250 vd
Fluoride	mg/l		0.83 v	0.82 v	0.82 v
Nitrate (as N)	mg/l		12 vd	12 vd	13 vd
Nitrate/Nitrite	mg/l		12 v	12.1 v	13 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.19 v			
Perchlorate	ug/l	145 vd	48 vd	49 vd	18 v

## Radiologic

Gross Alpha	pCi/l		3.8 v	3.36 u	3 u
Ra-226 - soluble	pCi/l		0.473 v	0.535 u	0.63 v
Ra-228 - soluble	pCi/l		0.552 v	0.467 u	0.601 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

10/26/2004 4:28:32 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	9/7/2004	9/7/2004	9/7/2004	9/7/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2409080008	2409080007	2409080006	2409080005
	Sample Number	LVW .55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

### Other

Apparent Color	dmf Color	20 v	20 v	15 v
Total Dissolved Solids	mg/l	1500 v	1520 v	1540 v

### Metals

Boron	mg/l	0.59 vd	0.59 vd	0.6 vd
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud
Copper	mg/l	0.01 ud	0.01 ud	0.01 ud
Iron	mg/l	0.19 vd	0.21 vd	0.16 vd
Manganese	mg/l	0.045 vd	0.048 vd	0.047 vd
Molybdenum	mg/l	0.022 vd	0.022 vd	0.02 vd

### Inorganics

Ammonia (as N)	mg/l	0.07 v	0.05 u	0.05 u	0.05 u
Chloride	mg/l		290 vd	310 vd	280 vd
Fluoride	mg/l		0.93 v	0.93 v	0.95 v
Nitrate (as N)	mg/l		14 vd	14 vd	14 vd
Nitrate/Nitrite	mg/l		14 v	14 v	14 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.17 v			
Perchlorate	ug/l	120 vd	75 vd	76 vd	40 vd

### Radiologic

Gross Alpha	pCi/l	4.3 v	3.4 u	6.9 v
Ra-226 - soluble	pCi/l	0.398 v	0.779 v	0.577 v
Ra-228 - soluble	pCi/l	1.04 u	0.85 u	0.842 v

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

10/27/2004 10:21:27 AM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	9/20/2004	9/20/2004	9/20/2004	9/20/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2409210029	2409210028	2409210027	2409210026
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

**Other**

Apparent Color	dmn Color	15 v	15 v	15 v
Total Dissolved Solids	mg/l	1590 v	1570 v	1520 v

**Metals**

Boron	mg/l	0.65 vd	0.72 vd	0.7 vd
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud
Copper	mg/l	0.01 ud	0.01 ud	0.01 ud
Iron	mg/l	0.08 vd	0.15 vd	0.15 vd
Manganese	mg/l	0.045 vd	0.045 vd	0.04 vd
Molybdenum	mg/l	0.02 vd	0.02 vd	0.017 vd

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.058 v	0.073 v	0.05 u
Chloride	mg/l		300 vd	310 vd	280 vd
Fluoride	mg/l		0.92 v	0.93 v	0.94 v
Nitrate (as N)	mg/l		14 vd	14 vd	14 vd
Nitrate/Nitrite	mg/l		14.1 v	14.1 v	14 v
Nitrite	mg/l		1 ud	1 ud	1 ud
Total Phosphorus-P	mg/l	0.12 v			
Perchlorate	ug/l	160 vd	52 vd	59 vd	30 vd

**Radiologic**

Gross Alpha	pCi/l		4.9 v	3 u	3.2 v
Ra-226 - soluble	pCi/l		0.557 u	0.862 u	0.614 v
Ra-228 - soluble	pCi/l		2.09 u	0.818 u	0.875 u

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

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**Analyses Summary Report**

Site Name: Henderson

10/26/2004 4:09:55 PM

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Sample Type:	Station (Site)	M-10
Water	Sample Date	8/4/2004
	Lab	MWL
	Lab Number	2408040152
	Sample Number	M-10
	Remarks	Superseded

**Other**

Total Dissolved Solids	mg/l	3370 v
Laboratory pH	s.u.	7.6 v
Laboratory conductivity	umhos/cm	3980 v

**Metals**

Chromium	mg/l	0.078 v
Chromium-hexavalent	mg/l	0.016 vd

**Inorganics**

Perchlorate	ug/l	16000 vd
-------------	------	----------

**Analytic Flag Codes:**

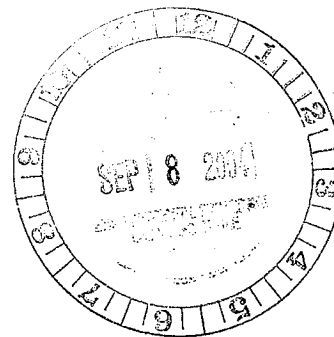
* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



# KERR-McGEE CHEMICAL LLC

POST OFFICE BOX 55 - HENDERSON, NEVADA 89009

September 3, 2004



Compliance Coordinator  
State of Nevada  
Division of Environmental Protection  
Bureau of Water Permits & Compliance  
333 W. Nye Lane  
Carson City, Nevada 89710

Dear Gentlemen:

**SUBJECT: Revised Discharge Monitoring Report (DMR) - Second Quarter 2004 – NPDES Permit NV 0023060**

Kerr-McGee Chemical LLC, Kerr-McGee, maintains an NPDES Permit #0023060 for discharge of water treated, as part of their on-going effort to remediate perchlorate in the Henderson area. The attached revised DMRs (Attachment 1) reflect information associated with the perchlorate remediation efforts and have been revised to include lb/day calculations for some constituents as well as to provide a comment on the DMR where two limits define compliance. As with the original submittal, supporting analytical summaries are included in Attachment 2.

In April 2004 Kerr-McGee reported an exceedance of the effluent BOD limit. Details of the event were included in that report, however in summary; a process upset occurred on April 27, 2004, as a result of an improper input into the Fluidized Bed Reactor (FBR) process control computer. The proportionality factor that controls ethanol to flow (k factor) ratio was calculated by the operational control computer model to be 0.098. The actual input to the computer was 0.980 resulting in an overfeed of the ethanol electron donor, which then resulted in the BOD violation.

In May 2004, during a brief period, the phosphorus load in the discharged increased. The increased total phosphorus concentration in the effluent resulted because the microorganisms did not utilize the amount of nutrient being fed. During the start-up period, as the FBR's are ramped up in perchlorate mass loading, we balance perchlorate reduction against a need to minimize sulfate reduction, the later of which causes odors. This balancing effort, as the system adjusted to the nutrient feed rates and system load mass load change, caused an increase in effluent phosphorus concentration. During this brief period, there were no observable environmental impacts. To evaluate the impact on the wash, the wash load was determined and mathematically increased by the phosphorus mass loading of the discharge. This value resulted in a wash phosphorus mass load of 248 lb/day, which is well below the permit listed trigger of 434 lb/day for additional evaluation.

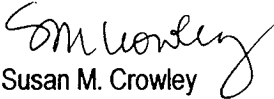
Also in May and June 2004, the perchlorate in effluent from the bio process was above 18 ppb, however, during this start-up period the requirements for perchlorate discharge are covered under the Permit's Part I.A.16 – Schedule of Compliance; which states "The Permittee shall implement and comply with the provision of the schedule of compliance... c. Within 9 months of permit issuance, the Permittee shall achieve compliance with the 18ug/L perchlorate limitation for the operation of the fluidized bed reactor biological treatment system. The compliance date for the 18ug/L is December 3, 2004". Kerr-McGee is committed to reducing perchlorate to the lowest level achievable, but expects that during the start-up period, the perchlorate concentration may at times be higher than 18 ppb. Please note that future DMR submittals will include an explanation for perchlorate values over 18 ppb and actions that have been taken to ensure compliance by the required date.

Compliance Coordinator  
September 3, 2004  
Page 2

On a separate issue, the Emergency Response Plan has been modified to include notification of the stakeholders, NDEP and SNWA in the event that a process upset has the potential for negative impacts.

Should you have any questions concerning this report, please contact me at (702) 651-2234. Thank you.

Sincerely,

  
Susan M. Crowley  
Staff Environmental Specialist

#### Overnight Mail

cc: LKBailey  
FRStater  
R Waters  
✉ Todd Croft, NDEP (Las Vegas)

#### Attachments

smc/2004 2nd Q NPDES NV 0023060 Revised DMR - Civ. Ltr.doc

**ATTACHMENT 1**

**Revised Discharge Monitoring  
Reports (DMR)**

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

MAILING ADDRESS:  
**KERR-McGEE CHEMICAL LLC,  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000**

ACTIVITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV  
 SUSAN M. CROWLEY**

MONITORING PERIOD

FROM **04 | 04 | 01** TO **4/31/2004**

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	1.22	1.32	MGD				0	Cont	Flow Meter
Fluoride	1.45 MGD Maximum	1.75 MGD Maximum							
Perchlorate (IX)				98.7-99.6	99.9	0.70	0	Weekly	Comp
6 Removal				97% Removal of effluent	3 ppm in effluent	Monitor & Report			
Perchlorate (BIO)				17.8	37.0		0	Weekly	Comp
Fluoride				18 ug/l	Monitor & Report				
XOD <sub>5</sub> (Inhibited)				49.6	207.2	503.20	1	Weekly	Discrete
Effluent Gross Value				25 mg/l Maximum	40 mg/l Maximum	254 lb/day			
pH				6.9	7.2		0	Weekly	Discrete
Effluent				6.5 Minimum	9.0 Maximum				
Iron, Total				0.23	0.48	2.30	0	Weekly	Discrete
Effluent				10 mg/l	Monitor & Report				
Manganese				0.28	0.45	2.60	0	Weekly	Discrete
Effluent				5 mg/l	Monitor & Report				
Zinc				2.96	3.20	30.1	0	Weekly	Discrete
Effluent				Monitor & Report					

NAME / TITLE: **Susan Crowley**  
 TITLE: **Principal Executive Officer**  
 SIGNATURE: *Susan Crowley*  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE: \_\_\_\_\_ DATE: **04/17/28**

AREA CODE NUMBER: **702-651-2200** YEAR: \_\_\_\_\_ MO: \_\_\_\_\_ DAY: \_\_\_\_\_

WE CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER THE DIRECTION OF AN INDIVIDUAL WHOSE NAME IS PRINTED ON THIS REPORT AND WHO IS RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SUBMITTED HEREON. THE INFORMATION SUBMITTED IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. WE ARE AWARE THAT THERE ARE PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR EXCESSIVE VIOLATIONS.

COMMENT AND EXPLANATION OF ANY VIOLATIONS: \_\_\_\_\_

(Reference all attachments here)



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

EMITTER NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD  
 FROM 04 | 04 | 01 TO 4/31/2004

LOCATION: HENDERSON, NV  
 (City): SUSAN M. CROWLEY

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----		0.015	0.030	1.53	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----		0.406	0.630	4.12	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----		13.04	18.33	132.7	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----		2.93	8.90	29.8	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Nitrate, as N	SAMPLE MEASUREMENT	-----		2.78	8.90	26.3	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Ammonia, as N	SAMPLE MEASUREMENT	-----		0.59	1.27	6.01	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Attachment A	SAMPLE MEASUREMENT	-----		Please see attached results			0	Quart	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					

STATE UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER THE DIRECTION OR SUPERVISION OF AN INDIVIDUAL WHOSE NAME IS PRINTED HEREIN AND WHO IS A QUALIFIED PERSON AS DEFINED IN THE PERMIT. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF THE STATE AND IS LOANED TO YOU FOR YOUR USE ONLY. IT IS TO BE KEPT CONFIDENTIAL AND NOT TO BE DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF THE STATE. VIOLATION OF THIS PROVISION IS A VIOLATION OF THE PERMIT AND SUBJECT TO PENALTY UNDER THE CLEAN WATER ACT.

NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Environmental Specialist

TYPED OR PRINTED

TELEPHONE: 702-651-2200  
 AREA CODE NUMBER: 702-651-2200

DATE: 04/17/28

OFFICER OR AUTHORIZED AGENT: SM Crowley  
 SIGNATURE OF PRINCIPAL EXECUTIVE

YEAR: 04  
 MO: 04  
 DAY: 17

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

0004/961223-1601

PAGE 2 OF 6

PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 04 | 01 TO 4/31/2004

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Ionized Ammonia, as N effluent	SAMPLE MEASUREMENT	-----		1.5	2.1	15.3	0	Weekly	Calc
	PERMIT REQUIREMENT	-----		Monitor & Report					
Ionized Ammonia, as N effluent	SAMPLE MEASUREMENT	-----		0.5	0.9	5.1	0	Weekly	Calc
	PERMIT REQUIREMENT	-----		Monitor & Report					
hexavalent Chromium effluent	SAMPLE MEASUREMENT	-----		0.005	0.010	0.05	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
hexavalent Chromium effluent	SAMPLE MEASUREMENT	-----		0.000	0.000	0.00	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report 0.01 mg/L					
Total Chromium effluent	SAMPLE MEASUREMENT	-----		0.004	0.010	0.04	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Total Chromium effluent	SAMPLE MEASUREMENT	-----		0.003	0.003	0.03	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report 0.10 mg/L					
Total Suspended Solids effluent	SAMPLE MEASUREMENT	-----		23.60	50.00	240.1	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		135 mg/L	Monitor & Report				

*Susan Crowley*

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 702-651-2200  
 AREA CODE NUMBER

DATE 04/17/28  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

WRIITER NAME/ADDRESS: NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 AME: KERR-MCGEE CHEMICAL LLC  
 DISCHARGE MONITORING REPORT (DMR)  
 ADDRESS: PO BOX 55 HENDERSON, NV 89009-7000  
 PERMIT NUMBER NV 0023060  
 DISCHARGE NUMBER 001

ACILITY: KERR-MCGEE CHEMICAL LLC  
 MONITORING PERIOD  
 FROM 04 | 04 | 01 TO 4/31/2004  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				
olor	SAMPLE MEASUREMENT	-----			7	10	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
ifluent	SAMPLE MEASUREMENT	-----			5	5	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
otal Dissolved Solids	SAMPLE MEASUREMENT	-----			5,387	5,812	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
ifluent	SAMPLE MEASUREMENT	-----			5,086	5,250	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
iffide	SAMPLE MEASUREMENT	-----			0.05	0.05	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
iffide	SAMPLE MEASUREMENT	-----			0.05	0.05	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
issolved Oxygen	SAMPLE MEASUREMENT	-----			3.61	6.77	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 TYPED OR PRINTED  
 Signature of Principal Executive  
 OFFICER OR AUTHORIZED AGENT  
 TELEPHONE  
 DATE 04/17/28  
 AREA CODE NUMBER 702-651-2200  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

EMITTER NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89008-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

PLANT: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 WITH: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 04 | 01 TO 4/31/2004

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	7 Day Ave (mg/l)	30 Day Ave (mg/l)			
Oil & Grease effluent	SAMPLE MEASUREMENT	-----		2.50	2.50	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	25.44			
Oil & Grease effluent	SAMPLE MEASUREMENT	-----		3.2	6.0	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	32.60			
TKN (as N) effluent	SAMPLE MEASUREMENT	-----		0.21	0.38	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	2.14			
TKN (as N) effluent	SAMPLE MEASUREMENT	-----		4.79	7.60	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	48.7			
Chloride effluent	SAMPLE MEASUREMENT	-----		1,647	1,938	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	16,158			
Chloride effluent	SAMPLE MEASUREMENT	-----		1,506	1,700	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	15,323			
Chlorate effluent	SAMPLE MEASUREMENT	-----		153	251	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	1,557			

*S.M. Crowley*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-651-2200  
 AREA CODE NUMBER: 702-651-2200  
 DATE: 04/17/28  
 YEAR MO DAY

STATEMENT OF WORK: I, THE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT, HAVE PREPARED THIS REPORT AND ALL ATTACHMENTS IN ACCORDANCE WITH THE NPDES PERMIT REQUIREMENTS. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR CAUSING VIOLATIONS.

COMMENT AND EXPLANATION OF ANY VIOLATIONS

WRITER NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 NAME: PO BOX 55  
 ADDRESS: HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

MONITORING PERIOD  
 FROM 04 | 04 | 01 TO 4/31/2004

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	30 Day Ave (mg/l)			
Chlorate	SAMPLE MEASUREMENT	-----	-----	-----	82	240	mg/L	834	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	-----	-----	-----	-----	-----
Effluent	SAMPLE MEASUREMENT	-----	-----	-----	1,968	2,600	pc/l	Z.D.D	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	-----	-----	-----	-----	-----
Gross Alpha	SAMPLE MEASUREMENT	-----	-----	-----	15.4	24.0	pc/l	157 pc/l/day	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	Monitor & Report	-----	-----	-----	-----	-----
30Ds (Inhibited)	SAMPLE MEASUREMENT	-----	-----	-----	1.5	1.5	mg/L	15.6 pc/l/day	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	25 mg/L Maximum	45 mg/L Maximum	-----	-----	-----	-----	-----
Influent Gross Value	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT  
 702-651-2200  
 AREA CODE NUMBER

TELEPHONE  
 DATE  
 04/7/28  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

WRITER NAME/ADDRESS:  
 KERR-MCGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000 UKI

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

ACTIVITY: KERR-MCGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 05 | 01 TO 04 | 05 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	1.30	1.32	MGD				0	Cont	Flow Meter
arschlorate (IX)	1.45 MGD Maximum	1.75 MGD Maximum		96.8 *	97.2	1.30	0	Weekly	Comp
Removal				97% Removal of effluent	Monitor & Report	Monitor & Report			
arschlorate (BIO)				243.4 **	640.0		1	Weekly	Comp
fluant				18 ug/l	Monitor & Report				
OD <sub>2</sub> (Inhibited)				10.6	14.6	115.27	1	Weekly	Discrete
fluant Gross Value				25 mg/l Maximum	40 mg/l Maximum	254 lb/day			
H				6.6	6.6		0	Weekly	Discrete
fluant				6.5 Minimum	9.0 Maximum				
on, Total				0.36	0.86	3.90	0	Weekly	Discrete
fluant				10 mg/l	Monitor & Report				
manganese				0.41	0.45	4.40	0	Weekly	Discrete
fluant				5 mg/l	Monitor & Report				
oron				3.07	3.30	33.3	0	Weekly	Discrete
fluant				Monitor & Report	Monitor & Report				

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

Susan Crowley

*Susan Crowley*

TYPE OR PRINTED

Staff Environmental Specialist

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

TELEPHONE

702-651-2200

DATE

04 / 17 / 2008

YEAR MO DAY

AREA CODE NUMBER

702-651-2200

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS

\* % removal < 97, however concentration below 3ppm, as required.  
 \*\* please permit for limit during startup period which ends December 2004.

(Reference all attachments here)

WITTER NUMBER: KERR-MCGEE CHEMICAL LLC  
 NAME: KERR-MCGEE CHEMICAL LLC  
 ADDRESS: PO BOX 85  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

LOCATION: HENDERSON, NV  
 FACILITY: KERR-MCGEE CHEMICAL LLC  
 OPERATOR: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 05 | 01 TO 04 | 05 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----	-----	0.018	0.030	0.16	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----	-----	2.450	5.600	26.64	1	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	20 lb/day			
Total Inorganic Nitrogen, as	SAMPLE MEASUREMENT	-----	-----	7.40	8.17	80.23	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Total Inorganic Nitrogen, as	SAMPLE MEASUREMENT	-----	-----	2.48	5.00	26.56	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Nitrate, as N	SAMPLE MEASUREMENT	-----	-----	1.00	1.00	10.8	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	2.48	5.00	26.97	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	40 lb/day			
Attachment A	SAMPLE MEASUREMENT	-----	-----	Please see attached results			0	Quart	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER				TELEPHONE				DATE	
Susan Crowley				702-651-2200				04/17/28	
Staff Environmental Specialist				SIGNATURE OF PRINCIPAL EXECUTIVE				AREA CODE NUMBER	
TYPED OR PRINTED				OFFICER OR AUTHORIZED AGENT				YEAR MO DAY	

*Susan Crowley*

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A PERMIT DESIGNED TO ACHIEVE THE QUALIFIED PERFORMANCE. I HAVE REVIEWED THE INFORMATION SUBMITTED, BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE OPERATION OF THIS FACILITY, AND COMPLETELY AM AWARE THAT FIDELITY AND ACCURACY OF THE INFORMATION IS ESSENTIAL TO THE PROTECTION OF PUBLIC HEALTH AND SAFETY. I AM AWARE THAT FIDELITY AND ACCURACY OF THE INFORMATION IS ESSENTIAL TO THE PROTECTION OF PUBLIC HEALTH AND SAFETY. I AM AWARE THAT FIDELITY AND ACCURACY OF THE INFORMATION IS ESSENTIAL TO THE PROTECTION OF PUBLIC HEALTH AND SAFETY.

COMMENTS AND EXPLANATION OF ANY VIOLATIONS  
 \* please see lower letter

PERMIT NUMBER: **KERR-MCGEE CHEMICAL LLC**  
 NAME: **KERR-MCGEE CHEMICAL LLC**  
 ADDRESS: **PO BOX 55**  
**HENDERSON, NV 89009-7000**

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

ACILITY: **KERR-MCGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 ATT: **SUSAN M. CROWLEY**

MONITORING PERIOD

FROM **04 | 05 | 01** TO **04 | 05 | 31**

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Ionized Ammonia, as N :fluent	SAMPLE MEASUREMENT	-----		2.7	7.5	2.70	0	Weekly	Calc
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----			
Ionized Ammonia, as N :fluent	SAMPLE MEASUREMENT	-----		0.2	0.2	2.20	0	Weekly	Calc
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----			
hexavalent Chromium :fluent	SAMPLE MEASUREMENT	-----		0.001	0.001	0.01	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----			
hexavalent Chromium :fluent	SAMPLE MEASUREMENT	-----		0.000	0.000	0.00	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----			
Total Chromium :fluent	SAMPLE MEASUREMENT	-----		0.003	0.005	0.03	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----			
Total Chromium :fluent	SAMPLE MEASUREMENT	-----		0.002	0.003	0.02	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----			
Total Suspended Solids :fluent	SAMPLE MEASUREMENT	-----		48.75	97.00	528.5	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		135 mg/L	Monitor & Report	-----			

*Susan Crowley*

NAME / TITLE: **PRINCIPAL EXECUTIVE OFFICER**  
**Susan Crowley**  
**Staff Environmental Specialist**  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: \_\_\_\_\_ DATE: **04/17/28**  
 AREA CODE NUMBER: **702-651-2200** YEAR: \_\_\_\_\_ MO: \_\_\_\_\_ DAY: \_\_\_\_\_

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)



OFFICE NAME/ADDRESS:  
 ME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

CITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 AT: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 05 | 01 TO 04 | 05 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				
forluent	SAMPLE MEASUREMENT	-----	-----	-----	7	-----	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----				
forluent	SAMPLE MEASUREMENT	-----	-----	-----	5	-----	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----				
Total Dissolved Solids	SAMPLE MEASUREMENT	-----	-----	-----	5,331	5,451	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	57.74				
Total Dissolved Solids	SAMPLE MEASUREMENT	-----	-----	-----	5,073	5,120	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	55.002				
Ammonia	SAMPLE MEASUREMENT	-----	-----	-----	0.05	0.05	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	0.54				
Ammonia	SAMPLE MEASUREMENT	-----	-----	-----	0.34	1.20	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	3.64				
Dissolved Oxygen	SAMPLE MEASUREMENT	-----	-----	-----	4.00	5.06	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	43.4				

TELEPHONE  
 702-651-2200  
 AREA CODE NUMBER

SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT  
*Susan Crowley*

DATE  
 04 / 7 / 28

I CERTIFY UNDER PENALTY OF LAW THAT THE PERSONS AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH THE NPDES PERMIT AND ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. I AM AWARE THAT SHOULD THE INFORMATION SUBMITTED BE INCOMPLETE, INACCURATE, OR MISLEADING, I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

(Reference all attachments here)

STATEMENT AND EXPLANATION OF ANY VIOLATIONS

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

DISCHARGE MONITORING REPORT (DMR)

ACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 OPERATOR: SUSAN M. CROWLEY

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Oil & Grease	SAMPLE MEASUREMENT	-----		2.50	2.50	27.10	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
Oil & Grease	SAMPLE MEASUREMENT	-----		2.5	2.5	27.10	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
KN (as N)	SAMPLE MEASUREMENT	-----		0.16	0.19	1.73	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
KN (as N)	SAMPLE MEASUREMENT	-----		17.23	33.00	186.8	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
Chloride	SAMPLE MEASUREMENT	-----		1,496	1,554	16,220	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
Chloride	SAMPLE MEASUREMENT	-----		1,725	1,800	18,703	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						
Chlorate	SAMPLE MEASUREMENT	-----		246	274	2,667	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report						

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-651-2200  
 DATE: 04 17 28  
 AREA CODE NUMBER: 702-651-2200  
 YEAR MO DAY: 04 17 28

NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

WRTTEE NAME/ADDRESS:  
 NAME: KERR-MCGEE CHEMICAL LLC  
 ADDRESS: PO-BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

CITY: KERR-MCGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 by: SUSAN M. CROWLEY  
 MONITORING PERIOD  
 FROM 04 | 05 | 01 TO 04 | 05 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Fluoride	SAMPLE MEASUREMENT				3	6	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
Fluoride	SAMPLE MEASUREMENT			1.430	2.761	15.5 pc/day	pc/L	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
Total Alpha	SAMPLE MEASUREMENT			15.5	20.0	168.1 pc/day	pc/L	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report					
Fluoride	SAMPLE MEASUREMENT				1.5	1.5	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT				25 mg/L Maximum	45 mg/L Maximum				
Total Gross Value	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
Fluoride	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
Fluoride	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
Fluoride	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										
TELEPHONE 702-651-2200							DATE 04/17/28			
SIGNATURE OF PRINCIPAL EXECUTIVE [Signature]							OFFICER OR AUTHORIZED AGENT AREA CODE NUMBER 702-651-2200			

WRITE IN THESE ADDRESSES:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000 uki

ACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

DISCHARGE MONITORING REPORT (DMR)  
 PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

MONITORING PERIOD  
 FROM 04 | 06 | 01 TO 04 | 06 | 30  
 NO DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	MEASUREMENT 1.29	MEASUREMENT 1.32	MGD	-----	-----	-----	0	Cont	Flow Meter
Fluoride	PERMIT REQUIREMENT 1.45 MGD Maximum	PERMIT REQUIREMENT 1.75 MGD Maximum		-----	-----	-----	0	Weekly	Comp
Mercuric Ion (IX)	MEASUREMENT -----	MEASUREMENT -----		99.7	99.9	1.17	0	Weekly	Comp
Mercuric Ion Removal	PERMIT REQUIREMENT -----	PERMIT REQUIREMENT -----		97% Removal of effluent	Monitor & Report	Monitor & Report	1	Weekly	Comp
Mercuric Ion (BIO)	MEASUREMENT -----	MEASUREMENT -----		108.5	180.0	-----	0	Weekly	Discrete
Mercuric Ion (Inhibited)	PERMIT REQUIREMENT -----	PERMIT REQUIREMENT -----		18 ug/l	Monitor & Report	-----	0	Weekly	Discrete
Mercuric Ion Gross Value	MEASUREMENT -----	MEASUREMENT -----		15.1	22.5	162.30	0	Weekly	Discrete
Mercuric Ion (H)	PERMIT REQUIREMENT -----	PERMIT REQUIREMENT -----		25 mg/l Maximum	40 mg/l Maximum	25 lb/day	0	Weekly	Discrete
Mercuric Ion (Fluoride)	MEASUREMENT -----	MEASUREMENT -----		6.6	6.7	-----	0	Weekly	Discrete
Mercuric Ion (Iron, Total)	PERMIT REQUIREMENT -----	PERMIT REQUIREMENT -----		6.5 Minimum	9.0 Maximum	-----	0	Weekly	Discrete
Mercuric Ion (Fluoride)	MEASUREMENT -----	MEASUREMENT -----		0.36	0.66	3.90	0	Weekly	Discrete
Mercuric Ion (Manganese)	PERMIT REQUIREMENT -----	PERMIT REQUIREMENT -----		10 mg/l	Monitor & Report	-----	0	Weekly	Discrete
Mercuric Ion (Fluoride)	MEASUREMENT -----	MEASUREMENT -----		0.41	0.48	4.40	0	Weekly	Discrete
Mercuric Ion (Iron)	PERMIT REQUIREMENT -----	PERMIT REQUIREMENT -----		5 mg/l	Monitor & Report	-----	0	Weekly	Discrete
Mercuric Ion (Fluoride)	MEASUREMENT -----	MEASUREMENT -----		2.88	3.10	31.0	0	Weekly	Discrete
Mercuric Ion (Fluoride)	PERMIT REQUIREMENT -----	PERMIT REQUIREMENT -----		Monitor & Report	Monitor & Report	-----	0	Weekly	Discrete

STATEMENT OF PRINCIPAL EXECUTIVE OFFICER: I CERTIFY UNDER PENALTY OF LAW THAT THE DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A PERMIT GRANTED TO A FIRM THAT QUALIFIED PERSONNEL, PROPERLY TRAINED AND EVALUATED THE INFORMATION SUBMITTED. I AM AWARE THAT THESE ARE ENFORCEABLE REQUIREMENTS FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME / TITLE: **Susan Crowley**  
 TITLE: **Principal Executive Officer**  
 SIGNATURE: *Susan Crowley*  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-651-2200  
 AREA CODE NUMBER: 702  
 DATE: 04/07/28  
 YEAR: 04  
 DAY: 07

COMMENTS AND EXPLANATION OF ANY VIOLATIONS:  
 \* please see permit for limit during start up period, which ends December 2004

DISCHARGE MONITORING REPORT (DMR)

NV 0023060	001
PERMIT NUMBER	DISCHARGE NUMBER

CITY: KERR-MCGEE CHEMICAL LLC

LOCATION: HENDERSON, NV

FROM: 04 | 06 | 01 TO: 04 | 06 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Ortho Phosphorus, as P	SAMPLE MEASUREMENT	-----	-----	0.010	0.010	0.11	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
Ortho Phosphorus, as P	SAMPLE MEASUREMENT	-----	-----	0.550	0.890	5.91	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	20 lb/day				
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----	-----	11.86	15.80	127.6	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----	-----	1.51	2.36	16.2	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
Nitrate, as N	SAMPLE MEASUREMENT	-----	-----	1.25	2.00	13.4	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	1.51	2.36	16.20	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	40 lb/day				
Attachment A	SAMPLE MEASUREMENT	-----	-----	Please see attached results				0	Quart	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report						

NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley

Signature: *Susan Crowley*

TELEPHONE: 702-651-2200

DATE: 04/07/28

OFFICER OR AUTHORIZED AGENT

AREA CODE NUMBER

YEAR MO DAY

COMMITMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

NAME: KERR-MCGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

CITY: KERR-MCGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 06 | 01 TO 04 | 06 | 30

NO DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	30 Day Ave (mg/l)	7 Day Ave (mg/l)		30 Day Ave (lb/day)	UNIT	NO. EX			
Ionized Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	0.9	1.2	9.68		0	Weekly	Calc	
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Ionized Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	0.2	0.3	2.2		0	Weekly	Calc	
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
hexavalent Chromium	SAMPLE MEASUREMENT	-----	-----	0.001	0.001	0.01		0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
hexavalent Chromium	SAMPLE MEASUREMENT	-----	-----	0.000	0.000	0.00		0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Total Chromium	SAMPLE MEASUREMENT	-----	-----	0.003	0.010	0.03		0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Total Chromium	SAMPLE MEASUREMENT	-----	-----	0.002	0.003	0.02		0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Total Suspended Solids	SAMPLE MEASUREMENT	-----	-----	23.25	34.00	250.1		0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	135 mg/L	Monitor & Report	-----					

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE 702-651-2200  
 DATE 04/7/28  
 AREA CODE NUMBER YEAR MO DAY

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A LETTERHEAD ORDER TO ANALYZE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. I AM AWARE THAT THESE AND ANY OTHER INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR Ongoing VIOLATIONS.

NAME / TITLE: JAMES / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED  
 COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

OFFICE ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 06 | 01 TO 04 | 06 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Color	SAMPLE MEASUREMENT				8	10	ACU	0	Weekly	Discrete
fluent	PERMIT REQUIREMENT				Monitor & Report					
Color	SAMPLE MEASUREMENT				11	20	ACU	0	Weekly	Discrete
fluent	PERMIT REQUIREMENT				Monitor & Report					
Total Dissolved Solids	SAMPLE MEASUREMENT				5,300	5,750	mg/l	0	Weekly	Discrete
fluent	PERMIT REQUIREMENT				Monitor & Report					
Total Dissolved Solids	SAMPLE MEASUREMENT				5,225	5,650	mg/L	0	Weekly	Discrete
fluent	PERMIT REQUIREMENT				Monitor & Report					
Ammonia	SAMPLE MEASUREMENT				0.05	0.05	mg/l	0	Weekly	Discrete
fluent	PERMIT REQUIREMENT				Monitor & Report					
Ammonia	SAMPLE MEASUREMENT				0.05	0.05	mg/l	0	Weekly	Discrete
fluent	PERMIT REQUIREMENT				Monitor & Report					
Dissolved Oxygen	SAMPLE MEASUREMENT				5.13	8.35	mg/l	0	Weekly	Discrete
fluent	PERMIT REQUIREMENT				Monitor & Report					

TELEPHONE: 702-651-2200  
 AREA CODE NUMBER: 702-651-2200  
 DATE: 04/17/28  
 SIGNATURE OF PRINCIPAL EXECUTIVE: *Susan Crowley*  
 OFFICER OR AUTHORIZED AGENT

I CERTIFY UNDER PENALTY OF LAW THAT THE DOCUMENT AND ALL ATTACHMENTS WERE PROVIDED UNDER MY SUPERVISION AS REPRESENTATIVE OF THE FACILITY AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS DOCUMENT IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND DEPORTMENT FOR REPEATED VIOLATIONS.

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED  
 COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

PERMIT NUMBER: KERR-MCGEE CHEMICAL LLC  
 NAME: KERR-MCGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: KERR-MCGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 ATTN: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 06 | 01 TO 04 | 06 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)		
Oil & Grease effluent	MEASUREMENT	-----		2.50	2.50	26.90	0	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----		
Oil & Grease effluent	MEASUREMENT	-----		2.5	2.5	26.90	0	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----		
TKN (as N) effluent	MEASUREMENT	-----		0.31	0.46	3.34	0	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----		
TKN (as N) effluent	MEASUREMENT	-----		6.58	7.80	70.80	0	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----		
Chloride effluent	MEASUREMENT	-----		1,557	1,800	16,751	0	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----		
Chloride effluent	MEASUREMENT	-----		1,750	1,900	18,828	0	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----		
Chlorate effluent	MEASUREMENT	-----		251	330	2700	0	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----		

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE  
*Susan Crowley*  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 702-651-2200

DATE  
 04/17/28

AREA CODE NUMBER  
 702-651-2200

YEAR MO DAY  
 28 17 04

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

00044/961223-1801

PAGE 6 OF 6



DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

CITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 ATTENTION: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 06 | 01 TO 04 | 06 | 30  
 NO DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Chlorate	MEASUREMENT	-----		2	6	21.50	0	Weekly	Discrete
Fluoride	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----	0	Weekly	Discrete
Chromium 226 + 228	MEASUREMENT	-----		2.280	7.600	24.586 / d	0	Weekly	Discrete
Fluoride	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----	0	Weekly	Discrete
Iron Alpha	MEASUREMENT	-----		11.9	17.0	128.0 pCi / d	0	Weekly	Discrete
Fluoride	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----	0	Weekly	Discrete
Chloride (Inhibited)	MEASUREMENT	-----		1.5	1.5	16.13 pCi / d	0	Weekly	Discrete
Fluoride Gross Value	PERMIT REQUIREMENT	-----		25 mg/L Maximum	45 mg/L Maximum	-----	0	Weekly	Discrete
	MEASUREMENT	-----		-----	-----	-----			
	PERMIT REQUIREMENT	-----		-----	-----	-----			
	MEASUREMENT	-----		-----	-----	-----			
	PERMIT REQUIREMENT	-----		-----	-----	-----			
	MEASUREMENT	-----		-----	-----	-----			
	PERMIT REQUIREMENT	-----		-----	-----	-----			

NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Signature: *Susan Crowley*  
 TITLE: Environmental Specialist  
 TYPED OR PRINTED

TELEPHONE: 702-651-2200  
 DATE: 04 | 07 | 28  
 AREA CODE NUMBER: 702-651-2200  
 OFFICER OR AUTHORIZED AGENT: SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
 COMMENT AND EXPLANATION OF ANY VIOLATIONS: (Reference all attachments here)

## **ATTACHMENT 2**

**Summary of  
Supporting Analytical  
-  
Influent / Effluent  
Wash  
M-10 Upgradient Well**

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

### Other

Apparent Color	dmi Color	5 v	10 v	5 v	5 v
Surfactants	mg/l		1.05 vd		
Total Dissolved Solids	mg/l	5480 v	5560 v	5960 v	5780 v
Total Organic Carbon	mg/l		3.8 v		
Total Suspended Solids	mg/l		10 u		
Laboratory pH	s.u.	7.5 v	7.6 v	7.4 v	7.2 v

### Metals

Antimony	mg/l		0.01 ud		
Arsenic	mg/l		0.089 vd		
Barium	mg/l		0.02 ud		
Beryllium	mg/l		0.01 ud		
Boron	mg/l		3 vd		
Cadmium	mg/l		0.005 ud		
Chromium	mg/l	0.005 ud	0.005 ud	0.01 ud	0.011 vd
Chromium-hexavalent	mg/l	0.0013 v	0.0013 v	0.0009 v	0.0099 v
Copper	mg/l		0.02 ud		
Iron	mg/l		0.02 ud		
Lead	mg/l		0.005 ud		
Magnesium	mg/l		150 vd		
Manganese	mg/l		0.025 vd		
Mercury	mg/l		0.0002 u		
Molybdenum	mg/l		0.076 vd		
Nickel	mg/l		0.05 ud		
Potassium	mg/l		25 vd		
Selenium	mg/l		0.05 ud		
Sodium	mg/l		1200 vd		
Strontium	mg/l		8.6 vd		
Thallium	mg/l		0.01 ud		
Vanadium	mg/l		0.076 vd		
Zinc	mg/l		0.05 ud		
Arsenic III	ug/l		37 v		

### Inorganics

Percent Unionized Ammonia	%	1.73 v	2.16 v	1.38 v	0.873 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.495 v	0.493 v	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l		50 ud		
Chloride	mg/l	1800 vd	1600 vd	1900 vd	1600 vd
Nitrate (as N)	mg/l	21 vd	12 vd	14 vd	8.6 vd
Nitrate/Nitrite	mg/l	21 v	12.5 v	14.5 v	8.6 v
Nitrite	mg/l	4 ud	2 ud	2 ud	2 ud
Sulfate	mg/l		1400 vd		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superoxed				

sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.02 v	0.01 u	0.01 u	0.01 u
Chlorate	ug/l	130000 vd	190000 vd	310000 vd	310000 vd
Perchlorate	ug/l	93000 vd	110000 vd	160000 vd	150000 vd

### Radiologic

Gross Alpha	pCi/l		19 v		
Ra-226 - soluble	pCi/l		0.3 u		
Ra-228 - soluble	pCi/l		0.3 u		

### Dioxins and Furans

Tetrahydrofuran	ug/l		10 u		
-----------------	------	--	------	--	--

### Herbicides

2,4,5-T	ug/l		0.4 u		
2,4,5-TP (Silvex)	ug/l		0.4 u		
2,4-D	ug/l		0.4 u		
2,4-DB	ug/l		0.4 u		
Dalapon	ug/l		0.4 u		
Dicamba	ug/l		0.4 u		
Dichlorprop	ug/l		0.4 u		
Dinoseb	ug/l		0.4 u		

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
----------------	------	-----	-----	-----	-----

### PCBs

Aroclor-1016	ug/l		0.5 u		
Aroclor-1221	ug/l		0.5 u		
Aroclor-1232	ug/l		0.5 u		
Aroclor-1242	ug/l		0.5 u		
Aroclor-1248	ug/l		0.5 u		
Aroclor-1254	ug/l		0.5 u		
Aroclor-1260	ug/l		0.5 u		

### Pesticides

4,4-DDD	ug/l		0.08 v		
4,4-DDE	ug/l		0.02 u		
4,4-DDT	ug/l		0.02 u		
Aldrin	ug/l		0.02 u		
Alpha-BHC	ug/l		0.29 vd		
Beta-BHC	ug/l		0.27 vd		
bis(2-ethylhexyl)adipate	ug/l		0.6 u		
Delta-BHC	ug/l		0.51 vd		
Dieldrin	ug/l		0.02 u		
Endosulfan I	ug/l		0.02 u		
Endosulfan II	ug/l		0.02 u		
Endosulfan Sulfate	ug/l		0.03 v		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

Endrin	ug/l	0.04 v
Endrin Aldehyde	ug/l	0.02 u
Endrin Ketone	ug/l	0.5 u
Gamma-BHC (Lindane)	ug/l	0.06 v
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.2 u
Mirex	ug/l	0.05 u
Molinate	ug/l	0.2 u
Simazine	ug/l	0.05 u
Tech-Chlordane	ug/l	0.2 u
Thiobencarb	ug/l	0.2 u
Toxaphene	ug/l	0.5 u
SVOAs		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzidine	mg/l	0.05 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u
Butyl benzyl phthalate	mg/l	0.005 u
Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.00005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.00005 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
1,2-Diphenylhydrazine	ug/l	10 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Atrazine	ug/l	0.05 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	0.02 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.003 v
1,1-Dichloroethene	mg/l	0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks	Superseded			

1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u
1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.01 u
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.044 v
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.003 u
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0009 v
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

- |   |  |  |
|---|--|--|
| * Surrogate outside QC limits                       | a Not available                          | b Analyte detected in blank and sample |
| c Coelute   | d Diluted                                | e Exceeds calibration range            |
| f Calculated from higher dilution                   | g Concentration > value reported         | h Pass                                 |
| i Insufficient sample                               | j Est. value; conc. < quan. limit        | k Fail                                 |
| l Less than detection limit                         | m Matrix interference                    | n Not measured                         |
| p > 40% rpd between primary 1 deg and 2 deg column. | q Uncertain value                        | s Surrogate                            |
| t Trace amount                                      | u Not detected                           | v Detected value                       |
| w Btwn CRDL/IDL                                     | x Surrogate diluted but within QC limits | y Calculated Value                     |
| z Unknown   |  |  |



# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:39:18 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded				

### Other

Apparent Color	dmi Color		10 v	10 v	5 v	5 v
Surfactants	mg/l			0.365 vd		
Total Dissolved Solids	mg/l	3840 v		3720 v	3660 v	3580 v
Total Organic Carbon	mg/l			3.8 v		
Total Suspended Solids	mg/l			10 u		
Laboratory pH	s.u.		7.5 v	7.5 v	7.5 v	7.4 v

### Metals

Antimony	mg/l			0.001 u		
Arsenic	mg/l			0.11 v		
Barium	mg/l			0.018 v		
Beryllium	mg/l			0.001 u		
Boron	mg/l			2.2 vd		
Cadmium	mg/l			0.0005 u		
Chromium	mg/l	0.005 ud		0.005 ud	0.01 ud	0.005 ud
Chromium-hexavalent	mg/l		0.005 u	0.0001 u	0.0001 u	0.0001 u
Copper	mg/l			0.0073 v		
Iron	mg/l			0.018 v		
Lead	mg/l			0.0005 u		
Magnesium	mg/l			100 vd		
Manganese	mg/l			0.64 vd		
Mercury	mg/l			0.0002 u		
Molybdenum	mg/l			0.073 v		
Nickel	mg/l			0.018 v		
Potassium	mg/l			24 vd		
Selenium	mg/l			0.022 v		
Sodium	mg/l			830 vd		
Strontium	mg/l			5.5 vd		
Thallium	mg/l			0.001 u		
Vanadium	mg/l			0.077 v		
Zinc	mg/l			0.016 v		
Arsenic III	ug/l			43 v		

### Inorganics

Percent Unionized Ammonia	%		1.73 v	1.73 v	1.73 v	1.38 v
25C						
Ammonia (as N)	mg/l		0.155 v	0.334 v	0.05 u	0.05 u
Biochemical oxygen demand	mg/l		3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l			10 ud		
Chloride	mg/l	1020 vd		980 vd	990 vd	930 vd
Nitrate (as N)	mg/l		5.6 vd	6.1 vd	6.5 vd	6.6 vd
Nitrate/Nitrite	mg/l		5.76 v	6.43 v	6.5 v	6.6 v
Nitrite	mg/l		1 ud	2 ud	2 ud	2 ud
Sulfate	mg/l			1200 vd		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:39:18 PM

Sample Type:	Station (Site)	LX Influent	LX Influent	LX Influent	LX Influent	LX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	LX INFLUENT	LX INFLUENT	LX INFLUENT	LX INFLUENT	LX INFLUENT
	Remarks	Superceded				

sulfide	mg/l	0.1 u		0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.28 v		1.4 v	0.45 v	0.39 v
Total Phosphorus-P	mg/l	0.05 v		0.04 v	0.06 v	0.02 v
Chlorate	ug/l	27000 vd		24000 vd	24000 vd	23000 vd
Perchlorate	ug/l	19000 vd		16000 vd	15000 vd	13000 vd

### Radiologic

Gross Alpha	pCi/l			18 v		
Ra-226 - soluble	pCi/l			0.3 u		
Ra-228 - soluble	pCi/l			0.4 u		

### Dioxins and Furans

Tetrahydrofuran	ug/l			10 u		
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### Herbicides

2,4,5-T	ug/l			0.4 u		
2,4,5-TP (Silvex)	ug/l			0.4 u		
2,4-D	ug/l			0.4 u		
2,4-DB	ug/l			0.4 u		
Dalapon	ug/l			0.4 u		
Dicamba	ug/l			0.4 u		
Dichlorprop	ug/l			0.4 u		
Dinoseb	ug/l			0.4 u		

### Hydrocarbon

Oil and grease	mg/l	5 u		5 u	5 u	5 u
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### PCBs

Aroclor-1016	ug/l			0.5 u		
Aroclor-1221	ug/l			0.5 u		
Aroclor-1232	ug/l			0.5 u		
Aroclor-1242	ug/l			0.5 u		
Aroclor-1248	ug/l			0.5 u		
Aroclor-1254	ug/l			0.5 u		
Aroclor-1260	ug/l			0.5 u		

### Pesticides

4,4-DDD	ug/l			0.04 v		
4,4-DDE	ug/l			0.02 u		
4,4-DDT	ug/l			0.02 u		
Aldrin	ug/l			0.02 u		
Alpha-BHC	ug/l			0.16 vd		
Beta-BHC	ug/l			0.02 u		
bis(2-ethylhexyl)adipate	ug/l			0.6 u		
Delta-BHC	ug/l			0.35 vd		
Dieldrin	ug/l			0.02 u		
Endosulfan I	ug/l			0.02 u		
Endosulfan II	ug/l			0.02 u		
Endosulfan Sulfate	ug/l			0.02 u		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:39:18 PM

Sample Type:	Station (Site)	LX Influent	LX Influent	LX Influent	LX Influent	LX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	LX INFLUENT	LX INFLUENT	LX INFLUENT	LX INFLUENT	LX INFLUENT
	Remarks	Superseded				

Endrin	ug/l	0.02 v
Endrin Aldehyde	ug/l	0.03 v
Endrin Ketone	ug/l	0.5 u
Gamma-BHC (Lindane)	ug/l	0.06 v
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.2 u
Mirex	ug/l	0.05 u
Molinate	ug/l	0.2 u
Simazine	ug/l	0.05 u
Tech-Chlordane	ug/l	0.2 u
Thiobencarb	ug/l	0.2 u
Toxaphene	ug/l	0.5 u
SVOAs		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzidine	mg/l	0.05 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:39:18 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded				

bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u
Butyl benzyl phthalate	mg/l	0.005 u
Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.00005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.00005 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
1,2-Diphenylhydrazine	ug/l	10 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Atrazine	ug/l	0.05 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	0.02 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.0016 v
1,1-Dichloroethene	mg/l	0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:39:18 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded				

1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u
1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.01 u
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.0005 u
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.003 u
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0005 u
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

### Other

Apparent Color	dmi Color	5 v	5 v	3 v	5 v
Surfactants	mg/l		0.051 v		
Total Dissolved Solids	mg/l	4970 v	5080 v	5170 v	4960 v
Total Organic Carbon	mg/l		1.3 v		
Total Suspended Solids	mg/l	25 v	10 u	50 v	33 v
Laboratory pH	s.u.	6.9 v	7.1 v	6.7 v	6.6 v

### Metals

Antimony	mg/l		0.001 u		
Arsenic	mg/l		0.043 v		
Barium	mg/l		0.018 v		
Beryllium	mg/l		0.001 u		
Boron	mg/l	2.8 vd	2.9 vd	3.2 vd	3.1 vd
Cadmium	mg/l		0.0005 u		
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u
Copper	mg/l		0.004 v		
Iron	mg/l	0.26 vd	0.11 v	0.17 vd	0.13 vd
Lead	mg/l		0.0005 u		
Magnesium	mg/l		160 vd		
Manganese	mg/l	0.19 vd	0.18 vd	0.39 vd	0.45 vd
Mercury	mg/l		0.0002 u		
Molybdenum	mg/l		0.094 v		
Nickel	mg/l		0.033 v		
Potassium	mg/l		29 vd		
Selenium	mg/l		0.012 v		
Sodium	mg/l		1300 vd		
Strontium	mg/l		8 vd		
Thallium	mg/l		0.001 u		
Vanadium	mg/l		0.04 v		
Zinc	mg/l		0.011 v		
Arsenic III	ug/l		9.8 v		

### Inorganics

Percent Unionized Ammonia	%	0.439 v	0.695 v	0.278 v	0.221 v
25C					
Ammonia (as N)	mg/l	1.27 v	0.699 v	0.948 v	2.84 vd
Biochemical oxygen demand	mg/l	16.7 v	14.7 v	5.3 v	207.2 v
Chemical oxygen demand	mg/l		34 vd		
Chloride	mg/l	1700 vd	1600 vd	1775 vd	1700 vd
Nitrate (as N)	mg/l	4 ud	2 ud	2 ud	2 ud
Nitrate/Nitrite	mg/l	1.27 v	0.699 v	0.948 v	2.84 v
Nitrite	mg/l	4 ud	2 ud	2 ud	2 ud
Sulfate	mg/l		1400 vd		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			
	sulfide mg/l	0.1 u	0.1 u	0.1 u	5.14 vd
Total Kjeldahl Nitrogen	mg/l	6.2 v	3.3 v	6.4 v	7.6 v
Total Phosphorus-P	mg/l	0.63 v	0.44 v	0.54 v	0.38 v
Chlorate	ug/l	14000 vd	5400 vd	5500 vd	4200 vd
Perchlorate	ug/l	19 v	4 u	4 u	4 u
<b>Radiologic</b>					
Gross Alpha	pCi/l	10.4 u	24 v	12.3 u	16 u
Ra-226 - soluble	pCi/l	1.06 u	0.2 u	0.624 v	1.49 v
Ra-228 - soluble	pCi/l	1.32 u	0.4 u	1.15 u	1 u
<b>Dioxins and Furans</b>					
Tetrahydrofuran	ug/l		10 u		
<b>Herbicides</b>					
2,4,5-T	ug/l		0.4 u		
2,4,5-TP (Silvex)	ug/l		0.4 u		
2,4-D	ug/l		0.4 u		
2,4-DB	ug/l		0.4 u		
Dalapon	ug/l		0.4 u		
Dicamba	ug/l		0.4 u		
Dichlorprop	ug/l		0.4 u		
Dinoseb	ug/l		0.4 u		
<b>Hydrocarbon</b>					
Oil and grease	mg/l	6 v	5 u	5 u	8 v
<b>PCBs</b>					
Aroclor-1016	ug/l		0.5 u		
Aroclor-1221	ug/l		0.5 u		
Aroclor-1232	ug/l		0.5 u		
Aroclor-1242	ug/l		0.5 u		
Aroclor-1248	ug/l		0.5 u		
Aroclor-1254	ug/l		0.5 u		
Aroclor-1260	ug/l		0.5 u		
<b>Pesticides</b>					
4,4-DDD	ug/l		0.02 u		
4,4-DDE	ug/l		0.02 u		
4,4-DDT	ug/l		0.02 u		
Aldrin	ug/l		0.02 u		
Alpha-BHC	ug/l		0.02 u		
Beta-BHC	ug/l		0.02 u		
bis(2-ethylhexyl)adipate	ug/l		0.6 u		
Delta-BHC	ug/l		0.02 u		
Dieldrin	ug/l		0.02 u		
Endosulfan I	ug/l		0.02 u		
Endosulfan II	ug/l		0.02 u		
Endosulfan Sulfate	ug/l		0.02 u		

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

Endrin	ug/l	0.01 u
Endrin Aldehyde	ug/l	0.02 u
Endrin Ketone	ug/l	0.5 u
Gamma-BHC (Lindane)	ug/l	0.02 u
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.2 u
Mirex	ug/l	0.05 u
Molinate	ug/l	0.2 u
Simazine	ug/l	0.05 u
Tech-Chlordane	ug/l	0.2 u
Thiobencarb	ug/l	0.2 u
Toxaphene	ug/l	0.5 u
SVOAs		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzidine	mg/l	0.05 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superoeded			

bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u
Butyl benzyl phthalate	mg/l	0.005 u
Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.00005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.00005 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
1,2-Diphenylhydrazine	ug/l	10 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Atrazine	ug/l	0.05 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	0.02 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.0005 v
1,1-Dichloroethene	mg/l	0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks				
	Superseded				

1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u
1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.01 u
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.0012 v
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.003 u
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0005 u
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

•	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:48:56 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	5/5/2004	5/12/2004	5/17/2004	5/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2405060101	2405130011	2405180024	2405250031
	Sample Number	INFLUENT	INFLUENT	INFLUENT	z
	Remarks	Superseded			

### Other

Apparent Color	dmi Color	5 v	10 v	5 v	5 v
Total Dissolved Solids	mg/l	5760 v	5940 v	6000 v	6060 v
Laboratory pH	s.u.	7.2 v	7.3 v	7.2 v	8.3 v

### Metals

Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.01 ud
Chromium-hexavalent	mg/l	0.0009 v	0.0007 v	0.0009 v	0.0004 v

### Inorganics

Percent Unionized Ammonia	%	0.873 v	1.1 v	0.873 v	9.98 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.172 v	0.9 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1600 vd	1700 vd	1700 vd	1800 vd
Nitrate (as N)	mg/l	8.5 vd	7.2 vd	7.2 vd	6.8 vd
Nitrate/Nitrite	mg/l	8.5 v	7.2 v	7.37 v	7.7 v
Nitrite	mg/l	2 ud	2 ud	2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.01 u	0.01 u	0.02 v	0.01 u
Chlorate	ug/l	340000 vd	350000 vd	370000 vd	240000 vd
Perchlorate	ug/l	170000 vd	170000 vd	180000 vd	58000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwm CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:48:25 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	5/5/2004	5/12/2004	5/17/2004	5/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2405060099	2405130009	2405180022	2405250029
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	z
	Remarks	Superseded			

### Other

Apparent Color	dmi Color	5 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	3520 v	3560 v	3540 v	3930 v
Laboratory pH	s.u.	7.5 v	7.4 v	7.4 v	7.4 v

### Metals

Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.01 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u

### Inorganics

Percent Unionized Ammonia	%	1.73 v	1.38 v	1.38 v	1.38 v
25C					
Ammonia (as N)	mg/l	0.248 vd	0.05 u	0.06 v	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	960 vd	880 vd	950 vd	940 vd
Nitrate (as N)	mg/l	6.9 vd	6.6 vd	7.1 vd	5.5 vd
Nitrate/Nitrite	mg/l	7.15 v	6.6 v	7.16 v	5.5 v
Nitrite	mg/l	2 ud	2 ud	2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.72 v	0.32 v	0.43 v	0.39 v
Total Phosphorus-P	mg/l	0.04 v	0.03 v	0.04 v	0.06 v
Chlorate	ug/l	22000 vd	21000 vd	23000 vd	25000 vd
Perchlorate	ug/l	16000 vd	14000 vd	14000 vd	15000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:49:22 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	5/5/2004	5/12/2004	5/17/2004	5/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2405060100	2405130010	2405180023	2405250030
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	z
	Remarks	Superseded			

### Other

Apparent Color	dmi Color	5 v	5 v	5 v	5 v
Total Dissolved Solids	mg/l	5020 v	5070 v	5080 v	5120 v
Total Suspended Solids	mg/l	97 v	36 v	39 v	23 v
Laboratory pH	s.u.	6.5 v	6.6 v	6.6 v	6.6 v

### Metals

Boron	mg/l	3 vd	3.3 vd	3.1 vd	2.9 v
Chromium	mg/l	0.005 ud	0.0021 v	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u
Iron	mg/l	0.86 vd	0.15 vd	0.22 vd	0.22 v
Manganese	mg/l	0.45 vd	0.45 v	0.45 vd	0.32 vd

### Inorganics

Percent Unionized Ammonia	%	0.175 v	0.221 v	0.221 v	0.221 v
25C					
Ammonia (as N)	mg/l	1.21 v	5 vd	2.22 vd	1.5 v
Biochemical oxygen demand	mg/l	14.6 v	14.2 v	7.4 v	6.2 v
Chloride	mg/l	1700 vd	1700 vd	1800 vd	1700 vd
Nitrate (as N)	mg/l	2 ud	2 ud	2 ud	2 ud
Nitrate/Nitrite	mg/l	1.21 v	5 v	2.22 v	1.5 v
Nitrite	mg/l	2 ud	2 ud	2 ud	2 ud
sulfide	mg/l	0.1 u	1.2 vd	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	17 vd	11 vd	7.9 v	33 vd
Total Phosphorus-P	mg/l	1.9 v	1.3 v	1 v	5.6 vd
Chlorate	ug/l	930 vd	1400 vd	4200 vd	6400 vd
Perchlorate	ug/l	8.8 vd	4 u	4 u	4 u

### Radiologic

Gross Alpha	pCi/l	20 v	20 v	9.8 v	12 v
Ra-226 - soluble	pCi/l	0.05 v	0.034 v	0.041 v	0.031 v
Ra-228 - soluble	pCi/l	0.532 u	1.69 v	2.72 v	0.61 v

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:50:38 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	6/1/2004	6/7/2004	6/14/2004	6/22/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2406020056	2406080021	2406150116	2406230047
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

## Other

Apparent Color	dmi Color	10 v	10 v	5 v	5 v
Total Dissolved Solids	mg/l	5780 v	5840 v	5420 v	5750 v
Laboratory pH	s.u.	7.2 v	7.3 v	7.1 v	7.2 v

## Metals

Chromium	mg/l	0.005 ud	0.005 vd	0.01 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0012 v	0.0014 v	0.0016 v	0.0015 v

## Inorganics

Percent Unionized Ammonia	%	0.873 v	1.1 v	0.695 v	0.873 v
	25C				
Ammonia (as N)	mg/l	0.09 v	0.089 v	0.906 v	0.785 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1700 vd	1800 vd	1500 vd	1800 vd
Nitrate (as N)	mg/l	6.6 vd	15 vd	13 vd	15 vd
Nitrate/Nitrite	mg/l	6.69 v	15.1 v	13.9 v	15.8 v
Nitrite	mg/l	2 ud	2 ud	2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.01 u	0.01 u	0.01 u	0.01 u
Chlorate	ug/l	330000 vd	280000 vd	280000 vd	330000 vd
Perchlorate	ug/l	160000 vd	150000 vd	140000 vd	160000 vd

## Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:50:15 PM

Sample Type:	Station (Site)	IX Influent	IX Influent
Water	Sample Date	6/1/2004	6/7/2004
	Lab	MWL	MWL
	Lab Number	2406020054	2406080018
	Sample Number	IX INFLUENT	IX INFLUENT
	Remarks		
	Superseded		

IX Shut down - mid-month

### Other

Apparent Color	dm <sup>3</sup> /l	10 v	10 v
Total Dissolved Solids	mg/l	3630 v	3780 v
Laboratory pH	s.u.	7.3 v	7.4 v

### Metals

Chromium	mg/l	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u

### Inorganics

Percent Unionized Ammonia	%	1.1 v	1.38 v
25C			
Ammonia (as N)	mg/l	0.18 v	0.731 v
Biochemical oxygen demand	mg/l	3 u	3 u
Chloride	mg/l	970 vd	1000 vd
Nitrate (as N)	mg/l	5.9 vd	6.1 vd
Nitrate/Nitrite	mg/l	6.08 v	6.83 v
Nitrite	mg/l	2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.57 v	1.9 v
Total Phosphorus-P	mg/l	0.01 v	0.05 v
Chlorate	ug/l	27000 vd	30000 vd
Perchlorate	ug/l	16000 vd	17000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	c Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:49:47 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	6/1/2004	6/7/2004	6/14/2004	6/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2406020055	2406080019	2406150115	2406250113
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

### Other

Apparent Color	dmi Color	5 v	10 v	20 v	10 v
Total Dissolved Solids	mg/l	5030 v	5100 v	5240 v	5650 v
Total Suspended Solids	mg/l	34 v	19 v	17 v	14 v
Laboratory pH	s.u.	6.6 v	6.7 v	6.4 v	6.6 v

### Metals

Boron	mg/l	2.8 vd	2.8 v	2.8 vd	3.1 v
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u
Iron	mg/l	0.38 vd	1.3 v	4.3 vd	3 v
Manganese	mg/l	0.29 vd	0.27 vd	0.6 vd	0.48 vd

### Inorganics

Percent Unionized Ammonia	%	0.221 v	0.278 v	0.139 v	0.221 v
25C					
Ammonia (as N)	mg/l	1.4 v	1.41 v	2.36 vd	0.88 v
Biochemical oxygen demand	mg/l	13.3 v	18.8 v	5.8 v	22.5 v
Chloride	mg/l	1700 vd	1700 vd	1700 vd	1900 vd
Nitrate (as N)	mg/l	2 ud	2 ud	2 ud	2 ud
Nitrate/Nitrite	mg/l	1.4 v	1.41 v	2.36 v	0.88 v
Nitrite	mg/l	2 ud	2 ud	2 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	7.5 v	7.8 v	6.9 v	5.2 v
Total Phosphorus-P	mg/l	0.57 v	0.89 v	0.41 v	0.33 v
Chlorate	ug/l	6300 vd	3000 vd	26 v	31 v
Perchlorate	ug/l	4 u	4 u	4 u	4 u

### Radiologic

Gross Alpha	pCi/l	8.19 u	10.4 u	17 v	17 v
Ra-226 - soluble	pCi/l	0.046 v	0.053 v	0.96 v	1 u
Ra-228 - soluble	pCi/l	0.928 v	2.01 v	6.73 v	1.5 v

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1deg and 2 deg column	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:13:12 PM

Sample Type:	Station (Site)	LVW Upgradient	LVW Upgradient
Water	Sample Date	4/7/2004	4/21/2004
	Lab	MWL	MWL
	Lab Number	2404080099	2404220192
	Sample Number	LVW UPGRADIENT	LVW UPGRADIENT
	Remarks	Superseded	

**Other**

Apparent Color	dm Color	15 v	10 v
Total Dissolved Solids	mg/l	1830 v	1920 v

**Metals**

Boron	mg/l	0.76 vd	0.82 vd
Chromium	mg/l	0.0026 v	0.001 u
Copper	mg/l	0.0036 v	0.0058 v
Iron	mg/l	0.38 vd	0.41 vd
Manganese	mg/l	0.092 v	0.064 v
Molybdenum	mg/l	0.029 v	0.026 v

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	360 vd
Fluoride	mg/l	1.1 v	1.1 v
Nitrate (as N)	mg/l	14 vd	16 vd
Nitrate/Nitrite	mg/l	14 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	41 vd	54 vd

**Radiologic**

Gross Alpha	pCi/l	4.2 v	4.05 u
Ra-226 - soluble	pCi/l	1.24 v	0.443 u
Ra-228 - soluble	pCi/l	1.13 u	0.679 u

**Analytic Flag Codes:**

- |  |  |  |
|--|--|--|
| * Surrogate outside QC limits                      | a Not available                          | b Analyte detected in blank and sample |
| c Coelute  | d Diluted                                | e Exceeds calibration range            |
| f Calculated from higher dilution                  | g Concentration > value reported         | h Pass                                 |
| i Insufficient sample                              | j Est. value; conc. < quan. limit        | k Fail                                 |
| l Less than detection limit                        | m Matrix interference                    | n Not measured                         |
| p > 40% rpd between primary 1deg and 2 deg column. | q Uncertain value                        | s Surrogate                            |
| t Trace amount                                     | u Not detected                           | v Detected value                       |
| w Btw CRDL/IDL                                     | x Surrogate diluted but within QC limits | y Calculated Value                     |
| z Unknown  |  |  |

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:13:36 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	4/7/2004	4/21/2004
	Lab	MWL	MWL
	Lab Number	2404080100	2404220193
	Sample Number	LVW 6.05	LVW 6.05
	Remarks		
	Superseded		

## Other

Apparent Color	dmi Color	15 v	10 v
Total Dissolved Solids	mg/l	1790 v	1820 v

## Metals

Boron	mg/l	0.73 vd	0.77 vd
Chromium	mg/l	0.0013 v	0.005 ud
Copper	mg/l	0.007 v	0.01 ud
Iron	mg/l	0.32 vd	0.23 vd
Manganese	mg/l	0.063 v	0.059 vd
Molybdenum	mg/l	0.026 v	0.021 vd

## Inorganics

Ammonia (as N)	mg/l	0.076 v	0.05 u
Chloride	mg/l	330 vd	370 vd
Fluoride	mg/l	1 v	1 v
Nitrate (as N)	mg/l	14 vd	15 vd
Nitrate/Nitrite	mg/l	14.1 v	15 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	90 vd	100 vd

## Radiologic

Gross Alpha	pCi/l	4.6 v	7.6 v
Ra-226 - soluble	pCi/l	0.984 u	0.533 u
Ra-228 - soluble	pCi/l	1.24 u	0.533 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	c Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

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**Analyses Summary Report**

Site Name: Henderson

7/28/2004 1:13:59 PM

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Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	4/7/2004	4/21/2004
	Lab	MWL	MWL
	Lab Number	2404080101	2404220194
	Sample Number	LVW 5.5	LVW 5.5
	Remarks		
	Superseded		

**Other**

Apparent Color	dmi Color	10 v	10 v
Total Dissolved Solids	mg/l	1790 v	1840 v

**Metals**

Boron	mg/l	0.74 vd	0.76 vd
Chromium	mg/l	0.0053 v	0.005 ud
Copper	mg/l	0.0041 v	0.01 ud
Iron	mg/l	0.34 vd	0.23 vd
Manganese	mg/l	0.066 v	0.057 vd
Molybdenum	mg/l	0.028 v	0.021 vd

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	360 vd	380 vd
Fluoride	mg/l	1 v	1 v
Nitrate (as N)	mg/l	15 vd	16 vd
Nitrate/Nitrite	mg/l	15 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	94 vd	110 vd

**Radiologic**

Gross Alpha	pCi/l	4 v	3.4 v
Ra-226 - soluble	pCi/l	0.976 u	1.92 v
Ra-228 - soluble	pCi/l	0.977 v	1.42 u

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:14:23 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 0.55
Water	Sample Date	4/7/2004	4/21/2004
	Lab	MWL	MWL
	Lab Number	2404080102	2404220197
	Sample Number	LVW .55	LVW .55
	Remarks		
	Superseded		

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Total Phosphorus-P	mg/l	3.1 vd	0.09 v
Perchlorate	ug/l	170 vd	160 vd

## Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:12:44 PM

Sample Type:	Station (Site)	LVW Upgradient	LVW Upgradient
Water	Sample Date	4/28/2004	5/12/2004
	Lab	MWL	MWL
	Lab Number	2404290070	2405130005
	Sample Number	LVW UPGRADIENT	LVW UPGRADIENT
	Remarks		
	Superseded		

### Other

Apparent Color	dm Color	10 v	15 v
Total Dissolved Solids	mg/l	1770 v	1740 v

### Metals

Boron	mg/l	0.77 vd	0.72 v
Chromium	mg/l	0.001 u	0.0011 v
Copper	mg/l	0.0047 v	0.0032 v
Iron	mg/l	0.18 vd	0.26 v
Manganese	mg/l	0.052 v	0.051 v
Molybdenum	mg/l	0.027 v	0.023 v

### Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	320 vd	340 vd
Fluoride	mg/l	1.1 v	1.1 v
Nitrate (as N)	mg/l	15 vd	16 vd
Nitrate/Nitrite	mg/l	15 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	49 vd	42 vd

### Radiologic

Gross Alpha	pCi/l	4.27 u	6.2 v
Ra-226 - soluble	pCi/l	1 u	0.031 u
Ra-228 - soluble	pCi/l	1 u	0.59 v

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:12:19 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	4/28/2004	5/12/2004
	Lab	MWL	MWL
	Lab Number	2404290071	2405130006
	Sample Number	LVW 6.05	LVW 6.05
	Remarks	Superseded	

### Other

Apparent Color	dm <sup>2</sup> Color	10 v	15 v
Total Dissolved Solids	mg/l	1760 v	1720 v

### Metals

Boron	mg/l	0.75 vd	0.8 vd
Chromium	mg/l	0.001 u	0.001 u
Copper	mg/l	0.003 v	0.0033 v
Iron	mg/l	0.2 vd	0.2 vd
Manganese	mg/l	0.055 v	0.048 v
Molybdenum	mg/l	0.027 v	0.024 v

### Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	340 vd	340 vd
Fluoride	mg/l	1 v	1.1 v
Nitrate (as N)	mg/l	14 vd	16 vd
Nitrate/Nitrite	mg/l	14 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	100 vd	100 vd

### Radiologic

Gross Alpha	pCi/l	9.2 v	3.65 u
Ra-226 - soluble	pCi/l	1 u	0.117 v
Ra-228 - soluble	pCi/l	1 u	0.546 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



**Analyses Summary Report**Site Name: **Henderson**

7/28/2004 1:11:58 PM

Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	4/28/2004	5/12/2004
	Lab	MWL	MWL
	Lab Number	2404290072	2405130007
	Sample Number	LVW 5.5	LVW 5.5
	Remarks		
	Superseded		

**Other**

Apparent Color	dmi Color	10 v	15 v
Total Dissolved Solids	mg/l	1760 v	1730 v

**Metals**

Boron	mg/l	0.74 vd	0.78 vd
Chromium	mg/l	0.001 u	0.0011 v
Copper	mg/l	0.0035 v	0.003 v
Iron	mg/l	0.16 vd	0.22 vd
Manganese	mg/l	0.052 v	0.05 v
Molybdenum	mg/l	0.027 v	0.024 v

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	350 vd
Fluoride	mg/l	1 v	1.1 v
Nitrate (as N)	mg/l	14 vd	16 vd
Nitrate/Nitrite	mg/l	14 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	100 vd	100 vd

**Radiologic**

Gross Alpha	pCi/l	4.17 u	3.1 v
Ra-226 - soluble	pCi/l	1 u	0.092 v
Ra-228 - soluble	pCi/l	1 u	0.522 u

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:11:30 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 0.55
Water	Sample Date	4/28/2004	5/12/2004
	Lab	MWL	MWL
	Lab Number	2404290073	2405130008
	Sample Number	LVW .55	LVW .55
	Remarks		
	Superseded		

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Total Phosphorus-P	mg/l	0.07 v	0.15 v
Perchlorate	ug/l	160 vd	150 vd

## Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

7/27/2004 4:02:51 PM

Sample Type: Station (Site) LVW Upgradient LVW Upgradient  
Water Sample Date 6/1/2004 6/14/2004  
Lab MWL MWL  
Lab Number 2406020058 2406150118  
Sample Number LVW UPGRADIENT LVW UPGRADIENT  
Remarks  
Superseded

### Other

Apparent Color dmi Color 15 v 15 v  
Total Dissolved Solids mg/l 1700 v 1700 v

### Metals

Boron mg/l 0.7 vd 0.7 vd  
Chromium mg/l 0.001 u 0.001 u  
Copper mg/l 0.0027 v 0.0048 v  
Iron mg/l 0.15 vd 0.13 vd  
Manganese mg/l 0.042 v 0.063 v  
Molybdenum mg/l 0.023 v 0.024 v

### Inorganics

Ammonia (as N) mg/l 0.05 u 0.05 u  
Chloride mg/l 140 vd 150 vd  
Fluoride mg/l 1 v 1.03 v  
Nitrate (as N) mg/l 6.3 vd 7 vd  
Nitrate/Nitrite mg/l 6.3 v 7 v  
Nitrite mg/l 0.5 ud 0.5 ud  
Perchlorate ug/l 35 vd 33 vd

### Radiologic

Gross Alpha pCi/l 3.05 u 7 v  
Ra-226 - soluble pCi/l 0.023 u 1.07 u  
Ra-228 - soluble pCi/l 0.571 v 0.706 v

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	c Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:52:57 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	6/1/2004	6/14/2004
	Lab	MWL	MWL
	Lab Number	2406020059	2406150119
	Sample Number	LVW 6.05	LVW 6.05
	Remarks		
	Superseded		

## Other

Apparent Color	dmi Color	15 v	15 v
Total Dissolved Solids	mg/l	1730 v	1730 v

## Metals

Boron	mg/l	0.86 vd	0.72 vd
Chromium	mg/l	0.001 u	0.001 u
Copper	mg/l	0.0024 v	0.0034 v
Iron	mg/l	0.14 vd	0.17 vd
Manganese	mg/l	0.044 v	0.058 v
Molybdenum	mg/l	0.024 v	0.026 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	330 vd
Fluoride	mg/l	1 v	1.03 v
Nitrate (as N)	mg/l	12 vd	14 vd
Nitrate/Nitrite	mg/l	12 v	14 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	93 vd	95 vd

## Radiologic

Gross Alpha	pCi/l	4.6 v	3.5 v
Ra-226 - soluble	pCi/l	0.072 v	1.26 v
Ra-228 - soluble	pCi/l	0.805 v	1.15 v

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:53:17 PM

Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	6/1/2004	6/14/2004
	Lab	MWL	MWL
	Lab Number	2406020060	2406150120
	Sample Number	LVW 5.5	LVW 5.5
	Remarks		
	Superseded		

## Other

Apparent Color	dmi Color	15 v	15 v
Total Dissolved Solids	mg/l	1720 v	1730 v

## Metals

Boron	mg/l	0.76 vd	0.71 vd
Chromium	mg/l	0.001 u	0.001 u
Copper	mg/l	0.0025 v	0.0042 v
Iron	mg/l	0.17 vd	0.18 vd
Manganese	mg/l	0.045 v	0.059 v
Molybdenum	mg/l	0.025 v	0.027 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	330 vd
Fluoride	mg/l	1 v	1.03 v
Nitrate (as N)	mg/l	12 vd	14 vd
Nitrate/Nitrite	mg/l	12 v	14 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	95 vd	95 vd

## Radiologic

Gross Alpha	pCi/l	4.5 v	3 u
Ra-226 - soluble	pCi/l	0.069 v	0.986 u
Ra-228 - soluble	pCi/l	0.468 u	0.886 v

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

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**Analyses Summary Report**

Site Name: Henderson

7/27/2004 3:52:27 PM

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Sample Type:	Station (Site)	LVW 0.55	LVW 0.55
Water	Sample Date	6/1/2004	6/14/2004
	Lab	MWL	MWL
	Lab Number	2406020061	2406150121
	Sample Number	LVW .55	LVW .55
	Remarks		
	Superseded		

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.054 v
Total Phosphorus-P	mg/l	0.1 v	0.1 v
Perchlorate	ug/l	130 vd	140 vd

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

**ATTACHMENT 3**

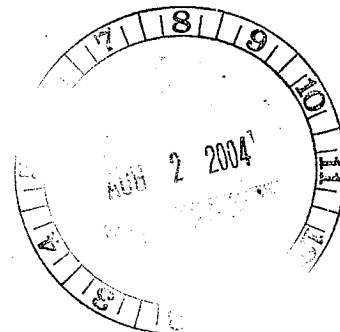
**Supporting  
Analytical Reports**



# KERR-McGEE CHEMICAL LLC

POST OFFICE BOX 55 - HENDERSON, NEVADA 89009

July 28, 2004



Compliance Coordinator  
State of Nevada  
Division of Environmental Protection  
Bureau of Water Permits & Compliance  
333 W. Nye Lane  
Carson City, Nevada 89710

Dear Gentlemen:

SUBJECT: Discharge Monitoring Report (DMR) - Second Quarter 2004 – NPDES Permit NV 0023060

Kerr-McGee Chemical LLC, Kerr-McGee, maintains an NPDES Permit #0023060 for discharge of water treated, as part of their on-going effort to remediate perchlorate in the Henderson area. The attached DMRs (Attachment 1) reflect information associated with the perchlorate remediation efforts, i.e. discharge of treated surface water near the Las Vegas Wash. Supporting analytical summaries are included in Attachment 2, with the supporting analytical reports included in Attachment 3. Please note that analyses of "Attachment A" analytes, for the treated discharge, indicate that there is no significant increase in "other constituents". This was expected due to the focused nature of the perchlorate remediation processes in service.

In May 2004, during a brief period, the phosphorus load in the discharged increased. This caused the average daily loading for the month to exceed the average of 20 lbs/day. During this brief period, there were no observable environmental impacts. To evaluate the impact on the wash, the wash load was determined and mathematically increased by the phosphorus mass loading of the discharge. This value resulted in a wash phosphorus mass load of 248 lb/day, which is well below the permit listed trigger of 434 lb/day for additional evaluation.

Listed separately are analytical results for four Las Vegas Wash locations, which require analyses to evaluate the mixing zone as well as the upgradient on-site groundwater well. Analytical summaries are included in Attachment 2 while supporting analytical reports are included in Attachment 3.

Should you have any questions concerning this report, please contact me at (702) 651-2234. Thank you.

Sincerely,

Susan M. Crowley  
Staff Environmental Specialist

#### Hand Carried

cc: LKBailey  
J Dixon, w/o analytical attachment  
FRStater, w/o analytical attachment  
R Waters, w/o analytical attachment  
Todd Croft, NDEP (Las Vegas)  
Terry Maize, NDEP w/o analytical attachment  
Jim Najima, NDEP w/o analytical attachment  
Brian Rakvica, NDEP, w/o analytical attachment  
Doug Zimmerman, NDEP, w/o analytical attachment  
Mike Goff, SNWA



**ATTACHMENT 1**

**Discharge Monitoring  
Reports (DMR)**

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 04 | 01 TO 4/31/2004

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	MEASUREMENT 1.22	MEASUREMENT 1.32	MGD				0	Cont	Flow Meter
Effluent	PERMIT REQUIREMENT 1.45 MGD Maximum	PERMIT REQUIREMENT 1.75 MGD Maximum							
Perchlorate (IX)	MEASUREMENT	MEASUREMENT		99.7	99.9	0.70	0	Weekly	Comp
% Removal	PERMIT REQUIREMENT	PERMIT REQUIREMENT		97% Removal or 3 ppm in effluent					Monitor & Report
Perchlorate (BIO)	MEASUREMENT	MEASUREMENT		17.8	37.0		0	Weekly	Comp
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		18 ug/l					Monitor & Report
BOD <sub>5</sub> (Inhibited)	MEASUREMENT	MEASUREMENT		49.6	207.2	503.20	1	Weekly	Discrete
Effluent Gross Value	PERMIT REQUIREMENT	PERMIT REQUIREMENT		25 mg/l Maximum					25.4 lb/day
pH	MEASUREMENT	MEASUREMENT		6.9	7.2		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		6.5 Minimum 9.0 Maximum					
Iron, Total	MEASUREMENT	MEASUREMENT		0.23	0.48		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		10 mg/l					Monitor & Report
Manganese	MEASUREMENT	MEASUREMENT		0.28	0.45		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		5 mg/l					Monitor & Report
Boron	MEASUREMENT	MEASUREMENT		2.96	3.20		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		Monitor & Report					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			DATE			
Susan Crowley			702-651-2200			04/17/28			
Typed or Printed			AREA CODE NUMBER			YEAR MO DAY			
Staff Environmental Specialist			702-651-2200			04/17/28			
COMMENT AND EXPLANATION OF ANY VIOLATIONS			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER			OFFICER OR AUTHORIZED AGENT			
			<i>Susan Crowley</i>			OFFICER OR AUTHORIZED AGENT			

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ACHIEVE THAT QUALITY PERFORMANCE. I PROMISE TO REPORT TO THE AGENCY ANY VIOLATIONS OF THE PERMIT OR FEDERAL OR STATE LAWS THAT MAY BE OCCURRING OR MAY OCCUR. I PROMISE TO REPORT TO THE AGENCY ANY VIOLATIONS OF THE PERMIT OR FEDERAL OR STATE LAWS THAT MAY BE OCCURRING OR MAY OCCUR. I PROMISE TO REPORT TO THE AGENCY ANY VIOLATIONS OF THE PERMIT OR FEDERAL OR STATE LAWS THAT MAY BE OCCURRING OR MAY OCCUR. I PROMISE TO REPORT TO THE AGENCY ANY VIOLATIONS OF THE PERMIT OR FEDERAL OR STATE LAWS THAT MAY BE OCCURRING OR MAY OCCUR.

(Reference all attachments here)

NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 04 | 01 TO 4/31/2004

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	30 Day Ave (mg/l)			
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	-----	-----		0.015	0.030		mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report						
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	-----	-----		0.406	0.630		mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	20 lb/day					
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	-----	-----		13.04	18.33		mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	-----					
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	-----	-----		2.93	8.90		mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	-----					
Nitrate, as N Effluent	SAMPLE MEASUREMENT	-----	-----		2.78	8.90		mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	-----					
Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----	-----		0.59	1.27		mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report	Monitor & Report	40 lb/day					
Attachment A Effluent	SAMPLE MEASUREMENT	-----	-----		Please see attached results				0	Quart	Discrete	
	PERMIT REQUIREMENT				Monitor & Report							
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE										DATE
Susan Crowley		702-651-2200										04/17/28
Staff Environmental Specialist		SIGNATURE OF PRINCIPAL EXECUTIVE										AREA CODE NUMBER
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT										YEAR MO DAY

*S.M. Crowley*

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A METHOD DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. I ALSO CERTIFY THAT I AM THE PERSON WHO MANAGES THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION AND THAT I AM NOT PROVIDING FALSE INFORMATION. I UNDERSTAND THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

FROM 04 | 04 | 01 TO 4/31/2004

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT				
Unionized Ammonia, as N Influent	SAMPLE MEASUREMENT	-----	-----		1.5	2.1	-----	%	0	Weekly	Calc	
	PERMIT REQUIREMENT				Monitor & Report							
Unionized Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----	-----		0.5	0.9	-----	%	0	Weekly	Calc	
	PERMIT REQUIREMENT				Monitor & Report							
Hexavalent Chromium Influent	SAMPLE MEASUREMENT	-----	-----		0.005	0.010	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report							
Hexavalent Chromium Effluent	SAMPLE MEASUREMENT	-----	-----		0.000	0.000	-----	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report							
Total Chromium Influent	SAMPLE MEASUREMENT	-----	-----		0.004	0.010	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report							
Total Chromium Effluent	SAMPLE MEASUREMENT	-----	-----		0.003	0.003	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report							
Total Suspended Solids Influent	SAMPLE MEASUREMENT	-----	-----		23.60	50.00	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT				135 mg/L	Monitor & Report						
Total Suspended Solids Effluent	SAMPLE MEASUREMENT	-----	-----		135 mg/L	Monitor & Report						
	PERMIT REQUIREMENT				Monitor & Report							
<p>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER                  Susan Crowley                  Staff Environmental Specialist                  TYPED OR PRINTED</p>											TELEPHONE	DATE
<p>COMMENT AND EXPLANATION OF ANY VIOLATIONS</p>											702-651-2200	04/17/28
<p>(Reference all attachments here)</p>											AREA CODE NUMBER	YEAR MO DAY
<p>OFFICER OR AUTHORIZED AGENT</p>												

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A STANDARD DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED BASED ON AN INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

PERMITTEE NAME/ADDRESS: **KERR-McGEE CHEMICAL LLC**  
 ADDRESS: **PO BOX 55 HENDERSON, NV 89009-7000**

FACILITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

MONITORING PERIOD  
 FROM **04 | 04 | 01** TO **4/31/2004** NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				
<b>Color</b>	SAMPLE MEASUREMENT	-----		7	10	ACU	0	Weekly	Discrete	
<b>Influent</b>	PERMIT REQUIREMENT			Monitor & Report						
<b>Color</b>	SAMPLE MEASUREMENT	-----		5	5	ACU	0	Weekly	Discrete	
<b>Effluent</b>	PERMIT REQUIREMENT			Monitor & Report						
<b>Total Dissolved Solids</b>	SAMPLE MEASUREMENT	-----		5,387	5,812	mg/l	0	Weekly	Discrete	
<b>Influent</b>	PERMIT REQUIREMENT			Monitor & Report						
<b>Total Dissolved Solids</b>	SAMPLE MEASUREMENT	-----		5,086	5,250	mg/L	0	Weekly	Discrete	
<b>Effluent</b>	PERMIT REQUIREMENT			Monitor & Report						
<b>Sulfide</b>	SAMPLE MEASUREMENT	-----		0.05	0.05	mg/l	0	Weekly	Discrete	
<b>Influent</b>	PERMIT REQUIREMENT			Monitor & Report						
<b>Sulfide</b>	SAMPLE MEASUREMENT	-----		0.05	0.05	mg/l	0	Weekly	Discrete	
<b>Effluent</b>	PERMIT REQUIREMENT			Monitor & Report						
<b>Dissolved Oxygen</b>	SAMPLE MEASUREMENT	-----		3.61	6.77	mg/l	0	Weekly	Discrete	
<b>Effluent</b>	PERMIT REQUIREMENT			Monitor & Report						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		<i>Susan Crowley</i>						TELEPHONE	DATE	
Susan Crowley								SIGNATURE OF PRINCIPAL EXECUTIVE		
Staff Environmental Specialist		OFFICER OR AUTHORIZED AGENT						AREA CODE NUMBER	YEAR MO DAY	
TYPED OR PRINTED								702-651-2200		
COMMENT AND EXPLANATION OF ANY VIOLATIONS										

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A LETTER/DIRECTIVE TO AGENCIES THAT QUALIFIED PERSONNEL PREPARED, OBTAINED, AND EVALUATED THE INFORMATION AND THAT THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR) 001  
 NV 0023060 PERMIT NUMBER  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 04 | 01 TO 4/31/2004

NO DISCHARGE  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Oil & Grease	-----	-----		2.50	2.50	-----	mg/l	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Oil & Grease	-----	-----		3.2	6.0	-----	mg/l	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
TKN (as N)	-----	-----		0.21	0.38	-----	mg/l	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
TKN (as N)	-----	-----		4.79	7.60	-----	mg/L	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Chloride	-----	-----		1,647	1,938	-----	mg/l	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Chloride	-----	-----		1,506	1,700	-----	mg/l	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Chlorate	-----	-----		153	251	-----	mg/l	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			DATE				
Susan Crowley			702-651-2200			04/17/28				
Typed or Printed			OFFICER OR AUTHORIZED AGENT			AREA CODE NUMBER			YEAR MO DAY	
Staff Environmental Specialist			SIGNATURE OF PRINCIPAL EXECUTIVE			702-651-2200			04/17/28	

*Susan Crowley*

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. I AM NOT PROVIDING SIGNIFICANT PENALTIES FOR SIGNIFICANT FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL LLC**  
 PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

FACILITY: **KERR-McGEE CHEMICAL LLC**

MONITORING PERIOD  
 FROM **04 | 04 | 01** TO **4/31/2004**

LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

NO DISCHARGE  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Chlorate Effluent	SAMPLE MEASUREMENT	-----		82	240	-----	mg/L	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Radium 226 + 228 Effluent	SAMPLE MEASUREMENT	-----		1,968	2,600	-----	pCi/L	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Gross Alpha Effluent	SAMPLE MEASUREMENT	-----		15.4	24.0	-----	pCi/L	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
BODs (Inhibited) Influent Gross Value	SAMPLE MEASUREMENT	-----		1.5	1.5	-----	mg/L	Weekly	Discrete
	PERMIT REQUIREMENT	-----		25 mg/L Maximum	45 mg/L Maximum	-----			
	SAMPLE MEASUREMENT	-----				-----			
	PERMIT REQUIREMENT	-----				-----			
	SAMPLE MEASUREMENT	-----				-----			
	PERMIT REQUIREMENT	-----				-----			
	SAMPLE MEASUREMENT	-----				-----			
	PERMIT REQUIREMENT	-----				-----			
	SAMPLE MEASUREMENT	-----				-----			
	PERMIT REQUIREMENT	-----				-----			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER <b>Susan Crowley</b> TYPED OR PRINTED <b>Staff Environmental Specialist</b>									
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER <i>Susan Crowley</i>							TELEPHONE <b>702-651-2200</b>		DATE <b>04/7/28</b>
OFFICER OR AUTHORIZED AGENT							AREA CODE NUMBER		YEAR MO DAY

THE USER'S FIDELITY OF THIS DOCUMENT AND ALL ATTACHMENTS HEREIN, UNDER THE DIRECTION OR SUPERVISION OF AN OFFICER OR AUTHORIZED AGENT, IS GUARANTEED TO BE TRUE AND ACCURATE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE INFORMATION SUBMITTED HEREON IN ACCORDANCE WITH A PERMIT OR ORDER TO ABIDE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON THE KNOWLEDGE AND BELIEF OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, THESE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000 uki

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

FROM 04 | 05 | 01 TO 04 | 05 | 31 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT				
Flow	SAMPLE MEASUREMENT	1.30	1.32	MGD	-----	-----	-----	-----	0	Cont	Flow Meter
	PERMIT REQUIREMENT	1.45 MGD Maximum	1.75 MGD Maximum		-----	-----	-----	-----			
Perchlorate (IX)	SAMPLE MEASUREMENT	-----	-----		96.8	97.2	1.30	%	0	Weekly	Comp
	PERMIT REQUIREMENT	-----	-----		97% Removal of 3 ppm in effluent	Monitor & Report	Monitor & Report				
% Removal	SAMPLE MEASUREMENT	-----	-----		243.4	640.0	-----	ug/l	1	Weekly	Comp
	PERMIT REQUIREMENT	-----	-----		18 ug/l	Monitor & Report	-----				
Perchlorate (BIO)	SAMPLE MEASUREMENT	-----	-----		10.6	14.6	115.27	mg/l	1	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----		25 mg/l Maximum	40 mg/l Maximum	254 lb/day				
Effluent	SAMPLE MEASUREMENT	-----	-----		6.6	6.6	-----	SU	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----		6.5 Minimum	9.0 Maximum	-----				
BOD <sub>5</sub> (Inhibited)	SAMPLE MEASUREMENT	-----	-----		0.36	0.86	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----		10 mg/l	Monitor & Report	-----				
Effluent Gross Value	SAMPLE MEASUREMENT	-----	-----		0.41	0.45	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----		5 mg/l	Monitor & Report	-----				
pH	SAMPLE MEASUREMENT	-----	-----		3.07	3.30	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----		Monitor & Report	Monitor & Report	-----				
Iron, Total	SAMPLE MEASUREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
Effluent	SAMPLE MEASUREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
Manganese	SAMPLE MEASUREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
Boron	SAMPLE MEASUREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
Effluent	SAMPLE MEASUREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----		-----	-----	-----	-----	-----	-----	-----

Signature: Susan Crowley  
 TITLE: Principal Executive Officer

Signature: Susan Crowley  
 TITLE: Staff Environmental Specialist

Signature: Susan Crowley  
 TITLE: Officer or Authorized Agent

TELEPHONE: 702-651-2200  
 DATE: 04/17/20  
 AREA CODE NUMBER: 702  
 YEAR: 04  
 MO: 17  
 DAY: 20

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 05 | 01 TO 04 | 05 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT	
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	-----		0.018	0.030	-----	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	-----		2.450	5.600	26.64	mg/L	1	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report		20 lb/day					
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	-----		7.40	8.17	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	-----		2.48	5.00	-----	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
Nitrate, as N Effluent	SAMPLE MEASUREMENT	-----		1.00	1.00	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----		2.48	5.00	26.97	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report		40 lb/day					
Attachment A Effluent	SAMPLE MEASUREMENT	-----		Please see attached results				0	Quart	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED										TELEPHONE	DATE
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										702-651-2200	04/17/28
										AREA CODE NUMBER	YEAR MO DAY

I HEREBY CERTIFY THAT THE RESULTS AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A METHOD DESIGNED TO ASSURE THAT QUALITY CONTROL PROCEDURES WERE PROPERLY FOLLOWED AND EVALUATED. I AM AWARE THAT THERE ARE PENALTIES FOR THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR KNOWING VIOLATIONS.

KERR-McGEE CHEMICAL LLC  
 NAME: PO BOX 55  
 ADDRESS: HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

MONITORING PERIOD  
 FROM 04 | 05 | 01 TO 04 | 05 | 31

NO DISCHARGE  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Un-ionized Ammonia, as N	SAMPLE MEASUREMENT	-----		2.7	7.5	-----	%	0	Weekly	Calc
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----				
Un-ionized Ammonia, as N	SAMPLE MEASUREMENT	-----		0.2	0.2	-----	%	0	Weekly	Calc
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----				
Hexavalent Chromium	SAMPLE MEASUREMENT	-----		0.001	0.001	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----				
Hexavalent Chromium	SAMPLE MEASUREMENT	-----		0.000	0.000	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	0.05 mg/L	-----				
Total Chromium	SAMPLE MEASUREMENT	-----		0.003	0.005	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----				
Total Chromium	SAMPLE MEASUREMENT	-----		0.002	0.003	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----				
Total Suspended Solids	SAMPLE MEASUREMENT	-----		48.75	97.00	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		135 mg/L	Monitor & Report	-----				

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER

OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-651-2200  
 DATE: 04/17/28  
 AREA CODE NUMBER: 702  
 YEAR: 04  
 MO: 17  
 DAY: 28

NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 05 | 01 TO 04 | 05 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Color	SAMPLE MEASUREMENT	-----		7	10	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report						
Color	SAMPLE MEASUREMENT	-----		5	5	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report						
Effluent	SAMPLE MEASUREMENT	-----		5,331	5,451	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report						
Total Dissolved Solids	SAMPLE MEASUREMENT	-----		5,073	5,120	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report						
Effluent	SAMPLE MEASUREMENT	-----		0.05	0.05	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report						
Sulfide	SAMPLE MEASUREMENT	-----		0.34	1.20	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report						
Effluent	SAMPLE MEASUREMENT	-----		4.00	5.06	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report						
Dissolved Oxygen	SAMPLE MEASUREMENT	-----				-----				
	PERMIT REQUIREMENT			Monitor & Report						
<p>CRITICALLY UNDER REVIEW: LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRULY ACCURATE AND COMPLETE, AND CORRECTLY REFLECTS THE SIGNIFICANT POLLUTANT INFORMATION FOR SUBMITTING THESE INFORMATION, INCLUDING THE POSSIBILITY OF THE AND DEPARTMENT FOR SUCH VIOLATIONS.</p>										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED							TELEPHONE 702-651-2200		DATE 04 / 7 / 28	
COMMENT AND EXPLANATION OF ANY VIOLATIONS							OFFICER OR AUTHORIZED AGENT Sam Crowley		AREA CODE NUMBER 702-651-2200	YEAR MO DAY

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 05 | 01 TO 04 | 05 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Oil & Grease Influent	SAMPLE MEASUREMENT	-----		2.50	2.50	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
Oil & Grease Effluent	SAMPLE MEASUREMENT	-----		2.5	2.5	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
TKN (as N) Influent	SAMPLE MEASUREMENT	-----		0.16	0.19	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
TKN (as N) Effluent	SAMPLE MEASUREMENT	-----		17.23	33.00	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
Chloride Influent	SAMPLE MEASUREMENT	-----		1,496	1,554	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
Chloride Effluent	SAMPLE MEASUREMENT	-----		1,725	1,800	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
Chlorate Influent	SAMPLE MEASUREMENT	-----		246	274	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
<p>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER                  Susan Crowley                  Staff Environmental Specialist                  TYPED OR PRINTED</p>										
<p>TELEPHONE                  702-651-2200                  AREA CODE NUMBER</p>										
<p>DATE                  04 17 28                  YEAR MO DAY</p>										
<p>OFFICER OR AUTHORIZED AGENT                  SIGNATURE OF PRINCIPAL EXECUTIVE                  (Reference all attachments here)</p>										

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD  
 FROM 04 | 05 | 01 TO 04 | 05 | 31

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

NO DISCHARGE  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	mg/L				
Chlorate	SAMPLE MEASUREMENT				3	6		mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report							
Effluent	SAMPLE MEASUREMENT				1.430	2.761		pCi/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report							
Radium 226 + 228	SAMPLE MEASUREMENT				15.5	20.0		pCi/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT				Monitor & Report							
Gross Alpha	SAMPLE MEASUREMENT				1.5	1.5		mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT				25 mg/L Maximum	45 mg/L Maximum						
BODs (Inhibited)	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
Influent Gross Value	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED											TELEPHONE	DATE
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											702-651-2200 AREA CODE NUMBER	0417128
												YEAR MO DAY

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
 OFFICER OR AUTHORIZED AGENT

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A LETTER/DIRECTIVE TO AGENCY MANAGER THAT WAS ISSUED BY THE FEDERAL GOVERNMENT DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. I HAVE REVIEWED THIS DOCUMENT AND ALL ATTACHMENTS AND I AM AWARE THAT THERE ARE NO SIGNIFICANT ERRORS OR OMISSIONS IN THE INFORMATION SUBMITTED HEREON. I AM AWARE THAT THERE ARE NO SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000 UKI

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 06 | 01 TO 04 | 06 | 30 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow Effluent	MEASUREMENT	1.29	MGD	-----	-----	-----	0	Cont	Flow Meter
	PERMIT REQUIREMENT	1.45 MGD Maximum	1.75 MGD Maximum	-----	-----	-----	-----	-----	-----
Perchlorate (IX)	MEASUREMENT	-----	-----	99.7	99.9	1.17	0	Weekly	Comp
	PERMIT REQUIREMENT	-----	-----	97% Removal of 3 ppm in effluent	Monitor & Report	Monitor & Report	-----	-----	-----
Perchlorate (BIO) Effluent	MEASUREMENT	-----	-----	108.5	180.0	-----	1	Weekly	Comp
	PERMIT REQUIREMENT	-----	-----	18 ug/l	Monitor & Report	-----	-----	-----	-----
BOD <sub>5</sub> (Inhibited)	MEASUREMENT	-----	-----	15.1	22.5	162.30	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	25 mg/l Maximum	40 mg/l Maximum	25 lb/day	-----	-----	-----
pH Effluent	MEASUREMENT	-----	-----	6.6	6.7	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	6.5 Minimum	9.0 Maximum	-----	-----	-----	-----
Iron, Total Effluent	MEASUREMENT	-----	-----	0.36	0.86	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	10 mg/l	Monitor & Report	-----	-----	-----	-----
Manganese Effluent	MEASUREMENT	-----	-----	0.41	0.48	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	5 mg/l	Monitor & Report	-----	-----	-----	-----
Boron Effluent	MEASUREMENT	-----	-----	2.88	3.10	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----	-----	-----	-----

I AM AWARE THAT THESE ARE SIGNIFICANT PARAMETERS FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR IMPROPER VIOLATIONS.

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-551-2200  
 AREA CODE NUMBER: 702-551-2200  
 DATE: 04/07/28  
 YEAR: 04 MO: 07 DAY: 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 06 | 01 TO 04 | 06 | 30

NO DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----		0.010	0.010	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----		0.550	0.990	5.91	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	20 lb/day				
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----		11.86	15.80	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----		1.51	2.36	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Nitrate, as N	SAMPLE MEASUREMENT	-----		1.25	2.00	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Ammonia, as N	SAMPLE MEASUREMENT	-----		1.51	2.36	16.20	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	40 lb/day				
Attachment A	SAMPLE MEASUREMENT	-----		Please see attached results				0	Quart	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE				DATE			
Susan Crowley			702-651-2200				04/07/28			
Staff Environmental Specialist			SIGNATURE OF PRINCIPAL EXECUTIVE				AREA CODE NUMBER		YEAR MO DAY	
TYPED OR PRINTED			OFFICER OR AUTHORIZED AGENT				702-651-2200		04 07 28	

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

PARAMETER

MONITORING PERIOD

FROM 04 | 06 | 01 TO 04 | 06 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

DISCHARGE MONITORING REPORT (DMR)

NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	SAMPLE MEASUREMENT		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Un-ionized Ammonia, as N					0.9	1.2		0	Weekly	Calc
Influent					Monitor & Report					
Un-ionized Ammonia, as N					0.2	0.3		0	Weekly	Calc
Effluent					Monitor & Report					
Hexavalent Chromium					0.001	0.001	mg/l	0	Weekly	Discrete
Influent					Monitor & Report					
Hexavalent Chromium					0.000	0.000	mg/L	0	Weekly	Discrete
Effluent					Monitor & Report	0.01 mg/L				
Total Chromium					0.003	0.010	mg/l	0	Weekly	Discrete
Influent					Monitor & Report					
Total Chromium					0.002	0.003	mg/l	0	Weekly	Discrete
Effluent					Monitor & Report	0.10 mg/L				
Total Suspended Solids					23.25	34.00	mg/l	0	Weekly	Discrete
Effluent					135 mg/L	Monitor & Report				
<p>CRITICALLY UNDER PROVISION OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM NOT PROVIDING THIS INFORMATION FOR ENFORCEMENT PURPOSES OR FOR ENFORCEMENT OF THE NPDES PERMIT OR FOR ENFORCEMENT OF ANY VIOLATIONS.</p>										
<p>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER                  Susan Crowley                  Staff Environmental Specialist</p>								<p>TELEPHONE                  702-651-2200</p>		<p>DATE                  04/17/28</p>
<p>TYPED OR PRINTED</p>								<p>AREA CODE NUMBER                  702-651-2200</p>		<p>YEAR NO. DAY</p>
<p>COMMENT AND EXPLANATION OF ANY VIOLATIONS</p>										

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER

OFFICER OR AUTHORIZED AGENT

(Reference all attachments here)



KERR-McGEE CHEMICAL LLC  
 NAME: PO BOX 55  
 ADDRESS: HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

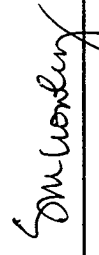
FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 04 | 06 | 01 TO 04 | 06 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Color Influent	SAMPLE MEASUREMENT	-----		8	10	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report					
Color Effluent	SAMPLE MEASUREMENT	-----		11	20	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report					
Total Dissolved Solids Influent	SAMPLE MEASUREMENT	-----		5,300	5,750	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report					
Total Dissolved Solids Effluent	SAMPLE MEASUREMENT	-----		5,225	5,650	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report					
Sulfide Influent	SAMPLE MEASUREMENT	-----		0.05	0.05	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report					
Sulfide Effluent	SAMPLE MEASUREMENT	-----		0.05	0.05	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report					
Dissolved Oxygen Effluent	SAMPLE MEASUREMENT	-----		5.13	8.35	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report					
I CERTIFY UNDER PENALTY OF LAW THAT THE DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A LETTER ORDINANCE TO ASURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE EFFLUENT OR THESE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR KNOWING VIOLATIONS.									
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE: _____ DATE: _____ 702-651-2200 04/17/28 AREA CODE NUMBER						
Susan Crowley Staff Environmental Specialist TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE  OFFICER OR AUTHORIZED AGENT						

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:

KERR-McGEE CHEMICAL LLC  
 NAME: PO BOX 55  
 ADDRESS: HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

MONITORING PERIOD

FROM 04 | 06 | 01 TO 04 | 06 | 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)					
Oil & Grease Influent	SAMPLE MEASUREMENT	-----		2.50	2.50	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
Oil & Grease Effluent	SAMPLE MEASUREMENT	-----		2.5	2.5	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
TKN (as N) Influent	SAMPLE MEASUREMENT	-----		0.31	0.46	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
TKN (as N) Effluent	SAMPLE MEASUREMENT	-----		6.58	7.80	-----	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
Chloride Influent	SAMPLE MEASUREMENT	-----		1,557	1,800	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
Chloride Effluent	SAMPLE MEASUREMENT	-----		1,750	1,900	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
Chlorate Influent	SAMPLE MEASUREMENT	-----		251	330	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report							
<p>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER                  Susan Crowley                  Staff Environmental Specialist</p>										TELEPHONE	DATE
<p>TYPED OR PRINTED</p>										702-651-2200	04/17/28
<p>COMMENT AND EXPLANATION OF ANY VIOLATIONS</p>										AREA CODE NUMBER	YEAR MO DAY
<p>(Reference all attachments here)</p>										702-651-2200	04 17 28

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER

OFFICER OR AUTHORIZED AGENT



## **ATTACHMENT 2**

### **Summary of Supporting Analytical - Influent / Effluent Wash M-10 Upgradient Well**

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superceded				

### Other

Apparent Color	dmil Color	5 v	10 v	5 v	5 v
Surfactants	mg/l		1.05 vd		
Total Dissolved Solids	mg/l	5480 v	5560 v	5960 v	5780 v
Total Organic Carbon	mg/l		3.8 v		
Total Suspended Solids	mg/l		10 u		
Laboratory pH	s.u.	7.5 v	7.6 v	7.4 v	7.2 v

### Metals

Antimony	mg/l		0.01 ud		
Arsenic	mg/l		0.089 vd		
Barium	mg/l		0.02 ud		
Beryllium	mg/l		0.01 ud		
Boron	mg/l		3 vd		
Cadmium	mg/l		0.005 ud		
Chromium	mg/l	0.005 ud	0.005 ud	0.01 ud	0.011 vd
Chromium-hexavalent	mg/l	0.0013 v	0.0013 v	0.0009 v	0.0099 v
Copper	mg/l		0.02 ud		
Iron	mg/l		0.02 ud		
Lead	mg/l		0.005 ud		
Magnesium	mg/l		150 vd		
Manganese	mg/l		0.025 vd		
Mercury	mg/l		0.0002 u		
Molybdenum	mg/l		0.076 vd		
Nickel	mg/l		0.05 ud		
Potassium	mg/l		25 vd		
Selenium	mg/l		0.05 ud		
Sodium	mg/l		1200 vd		
Strontium	mg/l		8.6 vd		
Thallium	mg/l		0.01 ud		
Vanadium	mg/l		0.076 vd		
Zinc	mg/l		0.05 ud		
Arsenic III	ug/l		37 v		

### Inorganics

Percent Unionized Ammonia	%	1.73 v	2.16 v	1.38 v	0.873 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.495 v	0.493 v	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l		50 ud		
Chloride	mg/l	1800 vd	1600 vd	1900 vd	1600 vd
Nitrate (as N)	mg/l	21 vd	12 vd	14 vd	8.6 vd
Nitrate/Nitrite	mg/l	21 v	12.5 v	14.5 v	8.6 v
Nitrite	mg/l	4 ud	2 ud	2 ud	2 ud
Sulfate	mg/l		1400 vd		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.02 v	0.01 u	0.01 u	0.01 u
Chlorate	ug/l	130000 vd	190000 vd	310000 vd	310000 vd
Perchlorate	ug/l	93000 vd	110000 vd	160000 vd	150000 vd

### Radiologic

Gross Alpha	pCi/l		19 v		
Ra-226 - soluble	pCi/l		0.3 u		
Ra-228 - soluble	pCi/l		0.3 u		

### Dioxins and Furans

Tetrahydrofuran	ug/l		10 u		
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### Herbicides

2,4,5-T	ug/l		0.4 u		
2,4,5-TP (Silvex)	ug/l		0.4 u		
2,4-D	ug/l		0.4 u		
2,4-DB	ug/l		0.4 u		
Dalapon	ug/l		0.4 u		
Dicamba	ug/l		0.4 u		
Dichlorprop	ug/l		0.4 u		
Dinoseb	ug/l		0.4 u		

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### PCBs

Aroclor-1016	ug/l		0.5 u		
Aroclor-1221	ug/l		0.5 u		
Aroclor-1232	ug/l		0.5 u		
Aroclor-1242	ug/l		0.5 u		
Aroclor-1248	ug/l		0.5 u		
Aroclor-1254	ug/l		0.5 u		
Aroclor-1260	ug/l		0.5 u		

### Pesticides

4,4-DDD	ug/l		0.08 v		
4,4-DDE	ug/l		0.02 u		
4,4-DDT	ug/l		0.02 u		
Aldrin	ug/l		0.02 u		
Alpha-BHC	ug/l		0.29 vd		
Beta-BHC	ug/l		0.27 vd		
bis(2-ethylhexyl)adipate	ug/l		0.6 u		
Delta-BHC	ug/l		0.51 vd		
Dieldrin	ug/l		0.02 u		
Endosulfan I	ug/l		0.02 u		
Endosulfan II	ug/l		0.02 u		
Endosulfan Sulfate	ug/l		0.03 v		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

Endrin	ug/l	0.04 v
Endrin Aldehyde	ug/l	0.02 u
Endrin Ketone	ug/l	0.5 u
Gamma-BHC (Lindane)	ug/l	0.06 v
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.2 u
Mirex	ug/l	0.05 u
Molinate	ug/l	0.2 u
Simazine	ug/l	0.05 u
Tech-Chlordane	ug/l	0.2 u
Thiobencarb	ug/l	0.2 u
Toxaphene	ug/l	0.5 u
SVOAs		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzidine	mg/l	0.05 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks	Superseded			

bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u
Butyl benzyl phthalate	mg/l	0.005 u
Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.00005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.00005 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
1,2-Diphenylhydrazine	ug/l	10 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Atrazine	ug/l	0.05 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	0.02 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.003 v
1,1-Dichloroethene	mg/l	0.0005 u

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:37:48 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080097	2404150070	2404220189	2404290068
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks				
	Superseded				

1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u
1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.01 u
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.044 v
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.003 u
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0009 v
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:39:18 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded				

**Other**

Apparent Color	dmf Color		10 v	10 v	5 v	5 v
Surfactants	mg/l			0.365 vd		
Total Dissolved Solids	mg/l	3840 v		3720 v	3660 v	3580 v
Total Organic Carbon	mg/l			3.8 v		
Total Suspended Solids	mg/l			10 u		
Laboratory pH	s.u.		7.5 v	7.5 v	7.5 v	7.4 v

**Metals**

Antimony	mg/l			0.001 u		
Arsenic	mg/l			0.11 v		
Barium	mg/l			0.018 v		
Beryllium	mg/l			0.001 u		
Boron	mg/l			2.2 vd		
Cadmium	mg/l			0.0005 u		
Chromium	mg/l	0.005 ud		0.005 ud	0.01 ud	0.005 ud
Chromium-hexavalent	mg/l		0.005 u	0.0001 u	0.0001 u	0.0001 u
Copper	mg/l			0.0073 v		
Iron	mg/l			0.018 v		
Lead	mg/l			0.0005 u		
Magnesium	mg/l			100 vd		
Manganese	mg/l			0.64 vd		
Mercury	mg/l			0.0002 u		
Molybdenum	mg/l			0.073 v		
Nickel	mg/l			0.018 v		
Potassium	mg/l			24 vd		
Selenium	mg/l			0.022 v		
Sodium	mg/l			830 vd		
Strontium	mg/l			5.5 vd		
Thallium	mg/l			0.001 u		
Vanadium	mg/l			0.077 v		
Zinc	mg/l			0.016 v		
Arsenic III	ug/l			43 v		

**Inorganics**

Percent Unionized Ammonia	%		1.73 v	1.73 v	1.73 v	1.38 v
25C						
Ammonia (as N)	mg/l		0.155 v	0.334 v	0.05 u	0.05 u
Biochemical oxygen demand	mg/l		3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l			10 ud		
Chloride	mg/l	1020 vd		980 vd	990 vd	930 vd
Nitrate (as N)	mg/l		5.6 vd	6.1 vd	6.5 vd	6.6 vd
Nitrate/Nitrite	mg/l		5.76 v	6.43 v	6.5 v	6.6 v
Nitrite	mg/l		1 ud	2 ud	2 ud	2 ud
Sulfate	mg/l			1200 vd		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded				
	sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.28 v		1.4 v	0.45 v	0.39 v
Total Phosphorus-P	mg/l	0.05 v		0.04 v	0.06 v	0.02 v
Chlorate	ug/l	27000 vd		24000 vd	24000 vd	23000 vd
Perchlorate	ug/l	19000 vd		16000 vd	15000 vd	13000 vd
<b>Radiologic</b>						
Gross Alpha	pCi/l			18 v		
Ra-226 - soluble	pCi/l			0.3 u		
Ra-228 - soluble	pCi/l			0.4 u		
<b>Dioxins and Furans</b>						
Tetrahydrofuran	ug/l			10 u		
<b>Herbicides</b>						
2,4,5-T	ug/l			0.4 u		
2,4,5-TP (Silvex)	ug/l			0.4 u		
2,4-D	ug/l			0.4 u		
2,4-DB	ug/l			0.4 u		
Dalapon	ug/l			0.4 u		
Dicamba	ug/l			0.4 u		
Dichlorprop	ug/l			0.4 u		
Dinoseb	ug/l			0.4 u		
<b>Hydrocarbon</b>						
Oil and grease	mg/l	5 u		5 u	5 u	5 u
<b>PCBs</b>						
Aroclor-1016	ug/l			0.5 u		
Aroclor-1221	ug/l			0.5 u		
Aroclor-1232	ug/l			0.5 u		
Aroclor-1242	ug/l			0.5 u		
Aroclor-1248	ug/l			0.5 u		
Aroclor-1254	ug/l			0.5 u		
Aroclor-1260	ug/l			0.5 u		
<b>Pesticides</b>						
4,4-DDD	ug/l			0.04 v		
4,4-DDE	ug/l			0.02 u		
4,4-DDT	ug/l			0.02 u		
Aldrin	ug/l			0.02 u		
Alpha-BHC	ug/l			0.16 vd		
Beta-BHC	ug/l			0.02 u		
bis(2-ethylhexyl)adipate	ug/l			0.6 u		
Delta-BHC	ug/l			0.35 vd		
Dieldrin	ug/l			0.02 u		
Endosulfan I	ug/l			0.02 u		
Endosulfan II	ug/l			0.02 u		
Endosulfan Sulfate	ug/l			0.02 u		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superceded				

Endrin	ug/l	0.02 v
Endrin Aldehyde	ug/l	0.03 v
Endrin Ketone	ug/l	0.5 u
Gamma-BHC (Lindane)	ug/l	0.06 v
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.2 u
Mirex	ug/l	0.05 u
Molinate	ug/l	0.2 u
Simazine	ug/l	0.05 u
Tech-Chlordane	ug/l	0.2 u
Thiobencarb	ug/l	0.2 u
Toxaphene	ug/l	0.5 u

### SVOAs

2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzidine	mg/l	0.05 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:39:18 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded				

bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u
Butyl benzyl phthalate	mg/l	0.005 u
Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.00005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.00005 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
1,2-Diphenylhydrazine	ug/l	10 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Atrazine	ug/l	0.05 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	0.02 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.0016 v
1,1-Dichloroethene	mg/l	0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:39:18 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	4/7/2004	4/9/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL	MWL
	Lab Number	2404090052	2404100015	2404150068	2404220187	2404290066
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded				

1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u
1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.01 u
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.0005 u
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.003 u
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0005 u
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

- |   |   |   |  |   |                                      |
|---|---|---|--|---|--------------------------------------|
| * | Surrogate outside QC limits                       | a | Not available                          | b | Analyte detected in blank and sample |
| c | Coelute   | d | Diluted                                | e | Exceeds calibration range            |
| f | Calculated from higher dilution                   | g | Concentration > value reported         | h | Pass                                 |
| i | Insufficient sample                               | j | Est. value; conc. < quan. limit        | k | Fail                                 |
| l | Less than detection limit                         | m | Matrix interference                    | n | Not measured                         |
| p | > 40% rpd between primary 1 deg and 2 deg column. | q | Uncertain value                        | s | Surrogate                            |
| t | Trace amount                                      | u | Not detected                           | v | Detected value                       |
| w | Btwn CRDL/IDL                                     | x | Surrogate diluted but within QC limits | y | Calculated Value                     |
| z | Unknown   |   |  |   |                                      |



# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

### Other

Apparent Color	drni Color	5 v	5 v	3 v	5 v
Surfactants	mg/l		0.051 v		
Total Dissolved Solids	mg/l	4970 v	5080 v	5170 v	4960 v
Total Organic Carbon	mg/l		1.3 v		
Total Suspended Solids	mg/l	25 v	10 u	50 v	33 v
Laboratory pH	s.u.	6.9 v	7.1 v	6.7 v	6.6 v

### Metals

Antimony	mg/l		0.001 u		
Arsenic	mg/l		0.043 v		
Barium	mg/l		0.018 v		
Beryllium	mg/l		0.001 u		
Boron	mg/l	2.8 vd	2.9 vd	3.2 vd	3.1 vd
Cadmium	mg/l		0.0005 u		
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u
Copper	mg/l		0.004 v		
Iron	mg/l	0.26 vd	0.11 v	0.17 vd	0.13 vd
Lead	mg/l		0.0005 u		
Magnesium	mg/l		160 vd		
Manganese	mg/l	0.19 vd	0.18 vd	0.39 vd	0.45 vd
Mercury	mg/l		0.0002 u		
Molybdenum	mg/l		0.094 v		
Nickel	mg/l		0.033 v		
Potassium	mg/l		29 vd		
Selenium	mg/l		0.012 v		
Sodium	mg/l		1300 vd		
Strontium	mg/l		8 vd		
Thallium	mg/l		0.001 u		
Vanadium	mg/l		0.04 v		
Zinc	mg/l		0.011 v		
Arsenic III	ug/l		9.8 v		

### Inorganics

Percent Unionized Ammonia	%	0.439 v	0.695 v	0.278 v	0.221 v
25C					
Ammonia (as N)	mg/l	1.27 v	0.699 v	0.948 v	2.84 vd
Biochemical oxygen demand	mg/l	16.7 v	14.7 v	5.3 v	207.2 v
Chemical oxygen demand	mg/l		34 vd		
Chloride	mg/l	1700 vd	1600 vd	1775 vd	1700 vd
Nitrate (as N)	mg/l	4 ud	2 ud	2 ud	2 ud
Nitrate/Nitrite	mg/l	1.27 v	0.699 v	0.948 v	2.84 v
Nitrite	mg/l	4 ud	2 ud	2 ud	2 ud
Sulfate	mg/l		1400 vd		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			
	sulfide mg/l	0.1 u	0.1 u	0.1 u	5.14 vd
Total Kjeldahl Nitrogen	mg/l	6.2 v	3.3 v	6.4 v	7.6 v
Total Phosphorus-P	mg/l	0.63 v	0.44 v	0.54 v	0.38 v
Chlorate	ug/l	14000 vd	5400 vd	5500 vd	4200 vd
Perchlorate	ug/l	19 v	4 u	4 u	4 u
<b>Radiologic</b>					
Gross Alpha	pCi/l	10.4 u	24 v	12.3 u	16 u
Ra-226 - soluble	pCi/l	1.06 u	0.2 u	0.624 v	1.49 v
Ra-228 - soluble	pCi/l	1.32 u	0.4 u	1.15 u	1 u
<b>Dioxins and Furans</b>					
Tetrahydrofuran	ug/l		10 u		
<b>Herbicides</b>					
2,4,5-T	ug/l		0.4 u		
2,4,5-TP (Silvex)	ug/l		0.4 u		
2,4-D	ug/l		0.4 u		
2,4-DB	ug/l		0.4 u		
Dalapon	ug/l		0.4 u		
Dicamba	ug/l		0.4 u		
Dichlorprop	ug/l		0.4 u		
Dinoseb	ug/l		0.4 u		
<b>Hydrocarbon</b>					
Oil and grease	mg/l	6 v	5 u	5 u	8 v
<b>PCBs</b>					
Aroclor-1016	ug/l		0.5 u		
Aroclor-1221	ug/l		0.5 u		
Aroclor-1232	ug/l		0.5 u		
Aroclor-1242	ug/l		0.5 u		
Aroclor-1248	ug/l		0.5 u		
Aroclor-1254	ug/l		0.5 u		
Aroclor-1260	ug/l		0.5 u		
<b>Pesticides</b>					
4,4-DDD	ug/l		0.02 u		
4,4-DDE	ug/l		0.02 u		
4,4-DDT	ug/l		0.02 u		
Aldrin	ug/l		0.02 u		
Alpha-BHC	ug/l		0.02 u		
Beta-BHC	ug/l		0.02 u		
bis(2-ethylhexyl)adipate	ug/l		0.6 u		
Delta-BHC	ug/l		0.02 u		
Dieldrin	ug/l		0.02 u		
Endosulfan I	ug/l		0.02 u		
Endosulfan II	ug/l		0.02 u		
Endosulfan Sulfate	ug/l		0.02 u		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

Endrin	ug/l	0.01 u
Endrin Aldehyde	ug/l	0.02 u
Endrin Ketone	ug/l	0.5 u
Gamma-BHC (Lindane)	ug/l	0.02 u
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.2 u
Mirex	ug/l	0.05 u
Molinate	ug/l	0.2 u
Simazine	ug/l	0.05 u
Tech-Chlordane	ug/l	0.2 u
Thiobencarb	ug/l	0.2 u
Toxaphene	ug/l	0.5 u
<b>SVOAs</b>		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzidine	mg/l	0.05 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u
Butyl benzyl phthalate	mg/l	0.005 u
Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.00005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.00005 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
1,2-Diphenylhydrazine	ug/l	10 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Atrazine	ug/l	0.05 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	0.02 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.0005 v
1,1-Dichloroethene	mg/l	0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:42:11 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	4/7/2004	4/14/2004	4/21/2004	4/28/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2404080096	2404150069	2404220188	2404290067
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u
1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.01 u
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.0012 v
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.003 u
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0005 u
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0005 u
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:48:56 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	5/5/2004	5/12/2004	5/17/2004	5/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2405060101	2405130011	2405180024	2405250031
	Sample Number	INFLUENT	INFLUENT	INFLUENT	z
	Remarks	Superseded			

### Other

Apparent Color	dmi Color	5 v	10 v	5 v	5 v
Total Dissolved Solids	mg/l	5760 v	5940 v	6000 v	6060 v
Laboratory pH	s.u.	7.2 v	7.3 v	7.2 v	8.3 v

### Metals

Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.01 ud
Chromium-hexavalent	mg/l	0.0009 v	0.0007 v	0.0009 v	0.0004 v

### Inorganics

Percent Unionized Ammonia	%	0.873 v	1.1 v	0.873 v	9.98 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.172 v	0.9 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1600 vd	1700 vd	1700 vd	1800 vd
Nitrate (as N)	mg/l	8.5 vd	7.2 vd	7.2 vd	6.8 vd
Nitrate/Nitrite	mg/l	8.5 v	7.2 v	7.37 v	7.7 v
Nitrite	mg/l	2 ud	2 ud	2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.01 u	0.01 u	0.02 v	0.01 u
Chlorate	ug/l	340000 vd	350000 vd	370000 vd	240000 vd
Perchlorate	ug/l	170000 vd	170000 vd	180000 vd	58000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:48:25 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	5/5/2004	5/12/2004	5/17/2004	5/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2405060099	2405130009	2405180022	2405250029
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	z
	Remarks	Superseded			

### Other

Apparent Color	dmi Color	5 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	3520 v	3560 v	3540 v	3930 v
Laboratory pH	s.u.	7.5 v	7.4 v	7.4 v	7.4 v

### Metals

Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.01 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u

### Inorganics

Percent Unionized Ammonia	%	1.73 v	1.38 v	1.38 v	1.38 v
25C					
Ammonia (as N)	mg/l	0.248 vd	0.05 u	0.06 v	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	960 vd	880 vd	950 vd	940 vd
Nitrate (as N)	mg/l	6.9 vd	6.6 vd	7.1 vd	5.5 vd
Nitrate/Nitrite	mg/l	7.15 v	6.6 v	7.16 v	5.5 v
Nitrite	mg/l	2 ud	2 ud	2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.72 v	0.32 v	0.43 v	0.39 v
Total Phosphorus-P	mg/l	0.04 v	0.03 v	0.04 v	0.06 v
Chlorate	ug/l	22000 vd	21000 vd	23000 vd	25000 vd
Perchlorate	ug/l	16000 vd	14000 vd	14000 vd	15000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
----------------	------	-----	-----	-----	-----

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:49:22 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	5/5/2004	5/12/2004	5/17/2004	5/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2405060100	2405130010	2405180023	2405250030
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	z
	Remarks	Superseded			

## Other

Apparent Color	dmi Color	5 v	5 v	5 v	5 v
Total Dissolved Solids	mg/l	5020 v	5070 v	5080 v	5120 v
Total Suspended Solids	mg/l	97 v	36 v	39 v	23 v
Laboratory pH	s.u.	6.5 v	6.6 v	6.6 v	6.6 v

## Metals

Boron	mg/l	3 vd	3.3 vd	3.1 vd	2.9 v
Chromium	mg/l	0.005 ud	0.0021 v	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u
Iron	mg/l	0.86 vd	0.15 vd	0.22 vd	0.22 v
Manganese	mg/l	0.45 vd	0.45 v	0.45 vd	0.32 vd

## Inorganics

Percent Unionized Ammonia	%	0.175 v	0.221 v	0.221 v	0.221 v
25C					
Ammonia (as N)	mg/l	1.21 v	5 vd	2.22 vd	1.5 v
Biochemical oxygen demand	mg/l	14.6 v	14.2 v	7.4 v	6.2 v
Chloride	mg/l	1700 vd	1700 vd	1800 vd	1700 vd
Nitrate (as N)	mg/l	2 ud	2 ud	2 ud	2 ud
Nitrate/Nitrite	mg/l	1.21 v	5 v	2.22 v	1.5 v
Nitrite	mg/l	2 ud	2 ud	2 ud	2 ud
sulfide	mg/l	0.1 u	1.2 vd	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	17 vd	11 vd	7.9 v	33 vd
Total Phosphorus-P	mg/l	1.9 v	1.3 v	1 v	5.6 vd
Chlorate	ug/l	930 vd	1400 vd	4200 vd	6400 vd
Perchlorate	ug/l	8.8 vd	4 u	4 u	4 u

## Radiologic

Gross Alpha	pCi/l	20 v	20 v	9.8 v	12 v
Ra-226 - soluble	pCi/l	0.05 v	0.034 v	0.041 v	0.031 v
Ra-228 - soluble	pCi/l	0.532 u	1.69 v	2.72 v	0.61 v

## Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
----------------	------	-----	-----	-----	-----

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:50:38 PM

Sample Type:	Station (Site)	Influent	Influent	Influent	Influent
Water	Sample Date	6/1/2004	6/7/2004	6/14/2004	6/22/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2406020056	2406080021	2406150116	2406230047
	Sample Number	INFLUENT	INFLUENT	INFLUENT	INFLUENT
	Remarks	Superseded			

### Other

Apparent Color	dm Color	10 v	10 v	5 v	5 v
Total Dissolved Solids	mg/l	5780 v	5840 v	5420 v	5750 v
Laboratory pH	s.u.	7.2 v	7.3 v	7.1 v	7.2 v

### Metals

Chromium	mg/l	0.005 ud	0.005 vd	0.01 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0012 v	0.0014 v	0.0016 v	0.0015 v

### Inorganics

Percent Unionized Ammonia	%	0.873 v	1.1 v	0.695 v	0.873 v
25C					
Ammonia (as N)	mg/l	0.09 v	0.089 v	0.906 v	0.785 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1700 vd	1800 vd	1500 vd	1800 vd
Nitrate (as N)	mg/l	6.6 vd	15 vd	13 vd	15 vd
Nitrate/Nitrite	mg/l	6.69 v	15.1 v	13.9 v	15.8 v
Nitrite	mg/l	2 ud	2 ud	2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.01 u	0.01 u	0.01 u	0.01 u
Chlorate	ug/l	330000 vd	280000 vd	280000 vd	330000 vd
Perchlorate	ug/l	160000 vd	150000 vd	140000 vd	160000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:50:15 PM

Sample Type:	Station (Site)	IX Influent	IX Influent
Water	Sample Date	6/1/2004	6/7/2004
	Lab	MWL	MWL
	Lab Number	2406020054	2406080018
	Sample Number	IX INFLUENT	IX INFLUENT
	Remarks		
	Superseded		

IX Shut down - mid-month

## Other

Apparent Color	dmi Color	10 v	10 v
Total Dissolved Solids	mg/l	3630 v	3780 v
Laboratory pH	s.u.	7.3 v	7.4 v

## Metals

Chromium	mg/l	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u

## Inorganics

Percent Unionized Ammonia	%	1.1 v	1.38 v
25C			
Ammonia (as N)	mg/l	0.18 v	0.731 v
Biochemical oxygen demand	mg/l	3 u	3 u
Chloride	mg/l	970 vd	1000 vd
Nitrate (as N)	mg/l	5.9 vd	6.1 vd
Nitrate/Nitrite	mg/l	6.08 v	6.83 v
Nitrite	mg/l	2 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.57 v	1.9 v
Total Phosphorus-P	mg/l	0.01 v	0.05 v
Chlorate	ug/l	27000 vd	30000 vd
Perchlorate	ug/l	16000 vd	17000 vd

## Hydrocarbon

Oil and grease	mg/l	5 u	5 u
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## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:49:47 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	6/1/2004	6/7/2004	6/14/2004	6/24/2004
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2406020055	2406080019	2406150115	2406250113
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

### Other

Apparent Color	dmi Color	5 v	10 v	20 v	10 v
Total Dissolved Solids	mg/l	5030 v	5100 v	5240 v	5650 v
Total Suspended Solids	mg/l	34 v	19 v	17 v	14 v
Laboratory pH	s.u.	6.6 v	6.7 v	6.4 v	6.6 v

### Metals

Boron	mg/l	2.8 vd	2.8 v	2.8 vd	3.1 v
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.0001 u	0.0001 u	0.0001 u	0.0001 u
Iron	mg/l	0.38 vd	1.3 v	4.3 vd	3 v
Manganese	mg/l	0.29 vd	0.27 vd	0.6 vd	0.48 vd

### Inorganics

Percent Unionized Ammonia	%	0.221 v	0.278 v	0.139 v	0.221 v
25C					
Ammonia (as N)	mg/l	1.4 v	1.41 v	2.36 vd	0.88 v
Biochemical oxygen demand	mg/l	13.3 v	18.8 v	5.8 v	22.5 v
Chloride	mg/l	1700 vd	1700 vd	1700 vd	1900 vd
Nitrate (as N)	mg/l	2 ud	2 ud	2 ud	2 ud
Nitrate/Nitrite	mg/l	1.4 v	1.41 v	2.36 v	0.88 v
Nitrite	mg/l	2 ud	2 ud	2 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	7.5 v	7.8 v	6.9 v	5.2 v
Total Phosphorus-P	mg/l	0.57 v	0.89 v	0.41 v	0.33 v
Chlorate	ug/l	6300 vd	3000 vd	26 v	31 v
Perchlorate	ug/l	4 u	4 u	4 u	4 u

### Radiologic

Gross Alpha	pCi/l	8.19 u	10.4 u	17 v	17 v
Ra-226 - soluble	pCi/l	0.046 v	0.053 v	0.96 v	1 u
Ra-228 - soluble	pCi/l	0.928 v	2.01 v	6.73 v	1.5 v

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:13:12 PM

Sample Type: Water  
Station (Site) Sample Date 4/7/2004 4/21/2004  
Lab MWL MWL  
Lab Number 2404080099 2404220192  
Sample Number LVW UPGRADIENT LVW UPGRADIENT  
Remarks  
Superseded

## Other

Apparent Color dmi Color 15 v 10 v  
Total Dissolved Solids mg/l 1830 v 1920 v

## Metals

Boron mg/l 0.76 vd 0.82 vd  
Chromium mg/l 0.0026 v 0.001 u  
Copper mg/l 0.0036 v 0.0058 v  
Iron mg/l 0.38 vd 0.41 vd  
Manganese mg/l 0.092 v 0.064 v  
Molybdenum mg/l 0.029 v 0.026 v

## Inorganics

Ammonia (as N) mg/l 0.05 u 0.05 u  
Chloride mg/l 330 vd 360 vd  
Fluoride mg/l 1.1 v 1.1 v  
Nitrate (as N) mg/l 14 vd 16 vd  
Nitrate/Nitrite mg/l 14 v 16 v  
Nitrite mg/l 0.5 ud 0.5 ud  
Perchlorate ug/l 41 vd 54 vd

## Radiologic

Gross Alpha pCi/l 4.2 v 4.05 u  
Ra-226 - soluble pCi/l 1.24 v 0.443 u  
Ra-228 - soluble pCi/l 1.13 u 0.679 u

## Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:13:36 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	4/7/2004	4/21/2004
	Lab	MWL	MWL
	Lab Number	2404080100	2404220193
	Sample Number	LVW 6.05	LVW 6.05
	Remarks		
	Superseded		

## Other

Apparent Color	dmi Color	15 v	10 v
Total Dissolved Solids	mg/l	1790 v	1820 v

## Metals

Boron	mg/l	0.73 vd	0.77 vd
Chromium	mg/l	0.0013 v	0.005 ud
Copper	mg/l	0.007 v	0.01 ud
Iron	mg/l	0.32 vd	0.23 vd
Manganese	mg/l	0.063 v	0.059 vd
Molybdenum	mg/l	0.026 v	0.021 vd

## Inorganics

Ammonia (as N)	mg/l	0.076 v	0.05 u
Chloride	mg/l	330 vd	370 vd
Fluoride	mg/l	1 v	1 v
Nitrate (as N)	mg/l	14 vd	15 vd
Nitrate/Nitrite	mg/l	14.1 v	15 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	90 vd	100 vd

## Radiologic

Gross Alpha	pCi/l	4.6 v	7.6 v
Ra-226 - soluble	pCi/l	0.984 u	0.533 u
Ra-228 - soluble	pCi/l	1.24 u	0.533 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:13:59 PM

Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	4/7/2004	4/21/2004
	Lab	MWL	MWL
	Lab Number	2404080101	2404220194
	Sample Number	LVW 5.5	LVW 5.5
	Remarks	Superseded	

**Other**

Apparent Color	dmi Color	10 v	10 v
Total Dissolved Solids	mg/l	1790 v	1840 v

**Metals**

Boron	mg/l	0.74 vd	0.76 vd
Chromium	mg/l	0.0053 v	0.005 ud
Copper	mg/l	0.0041 v	0.01 ud
Iron	mg/l	0.34 vd	0.23 vd
Manganese	mg/l	0.066 v	0.057 vd
Molybdenum	mg/l	0.028 v	0.021 vd

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	360 vd	380 vd
Fluoride	mg/l	1 v	1 v
Nitrate (as N)	mg/l	15 vd	16 vd
Nitrate/Nitrite	mg/l	15 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	94 vd	110 vd

**Radiologic**

Gross Alpha	pCi/l	4 v	3.4 v
Ra-226 - soluble	pCi/l	0.976 u	1.92 v
Ra-228 - soluble	pCi/l	0.977 v	1.42 u

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:14:23 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 0.55
Water	Sample Date	4/7/2004	4/21/2004
	Lab	MWL	MWL
	Lab Number	2404080102	2404220197
	Sample Number	LVW .55	LVW .55
	Remarks		
	Superseded		

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Total Phosphorus-P	mg/l	3.1 vd	0.09 v
Perchlorate	ug/l	170 vd	160 vd

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:12:44 PM

Sample Type:	Station (Site)	LVW Upgradient	LVW Upgradient
Water	Sample Date	4/28/2004	5/12/2004
	Lab	MWL	MWL
	Lab Number	2404290070	2405130005
	Sample Number	LVW UPGRADIENT	LVW UPGRADIENT
	Remarks	Superseded	

**Other**

Apparent Color	dm Color	10 v	15 v
Total Dissolved Solids	mg/l	1770 v	1740 v

**Metals**

Boron	mg/l	0.77 vd	0.72 v
Chromium	mg/l	0.001 u	0.0011 v
Copper	mg/l	0.0047 v	0.0032 v
Iron	mg/l	0.18 vd	0.26 v
Manganese	mg/l	0.052 v	0.051 v
Molybdenum	mg/l	0.027 v	0.023 v

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	320 vd	340 vd
Fluoride	mg/l	1.1 v	1.1 v
Nitrate (as N)	mg/l	15 vd	16 vd
Nitrate/Nitrite	mg/l	15 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	49 vd	42 vd

**Radiologic**

Gross Alpha	pCi/l	4.27 u	6.2 v
Ra-226 - soluble	pCi/l	1 u	0.031 u
Ra-228 - soluble	pCi/l	1 u	0.59 v

**Analytic Flag Codes:**

- |   |  |  |
|---|--|--|
| * Surrogate outside QC limits                       | a Not available                          | b Analyte detected in blank and sample |
| c Coelute   | d Diluted                                | e Exceeds calibration range            |
| f Calculated from higher dilution                   | g Concentration > value reported         | h Pass                                 |
| i Insufficient sample                               | j Est. value; conc. < quan. limit        | k Fail                                 |
| l Less than detection limit                         | m Matrix interference                    | n Not measured                         |
| p > 40% rpd between primary 1 deg and 2 deg column. | q Uncertain value                        | s Surrogate                            |
| t Trace amount                                      | u Not detected                           | v Detected value                       |
| w Btwn CRDL/IDL                                     | x Surrogate diluted but within QC limits | y Calculated Value                     |
| z Unknown   |  |  |

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:12:19 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	4/28/2004	5/12/2004
	Lab	MWL	MWL
	Lab Number	2404290071	2405130006
	Sample Number	LVW 6.05	LVW 6.05
	Remarks		
	Superseded		

### Other

Apparent Color	dmi Color	10 v	15 v
Total Dissolved Solids	mg/l	1760 v	1720 v

### Metals

Boron	mg/l	0.75 vd	0.8 vd
Chromium	mg/l	0.001 u	0.001 u
Copper	mg/l	0.003 v	0.0033 v
Iron	mg/l	0.2 vd	0.2 vd
Manganese	mg/l	0.055 v	0.048 v
Molybdenum	mg/l	0.027 v	0.024 v

### Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	340 vd	340 vd
Fluoride	mg/l	1 v	1.1 v
Nitrate (as N)	mg/l	14 vd	16 vd
Nitrate/Nitrite	mg/l	14 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	100 vd	100 vd

### Radiologic

Gross Alpha	pCi/l	9.2 v	3.65 u
Ra-226 - soluble	pCi/l	1 u	0.117 v
Ra-228 - soluble	pCi/l	1 u	0.546 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/28/2004 1:11:58 PM

Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	4/28/2004	5/12/2004
	Lab	MWL	MWL
	Lab Number	2404290072	2405130007
	Sample Number	LVW 5.5	LVW 5.5
	Remarks	Superseded	

**Other**

Apparent Color	dmi Color	10 v	15 v
Total Dissolved Solids	mg/l	1760 v	1730 v

**Metals**

Boron	mg/l	0.74 vd	0.78 vd
Chromium	mg/l	0.001 u	0.0011 v
Copper	mg/l	0.0035 v	0.003 v
Iron	mg/l	0.16 vd	0.22 vd
Manganese	mg/l	0.052 v	0.05 v
Molybdenum	mg/l	0.027 v	0.024 v

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	350 vd
Fluoride	mg/l	1 v	1.1 v
Nitrate (as N)	mg/l	14 vd	16 vd
Nitrate/Nitrite	mg/l	14 v	16 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	100 vd	100 vd

**Radiologic**

Gross Alpha	pCi/l	4.17 u	3.1 v
Ra-226 - soluble	pCi/l	1 u	0.092 v
Ra-228 - soluble	pCi/l	1 u	0.522 u

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

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**Analyses Summary Report****Site Name: Henderson****7/28/2004 1:11:30 PM**

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Sample Type:	Station (Site)	LVW 0.55	LVW 0.55
Water	Sample Date	4/28/2004	5/12/2004
	Lab	MWL	MWL
	Lab Number	2404290073	2405130008
	Sample Number	LVW .55	LVW .55
	Remarks		
	Superseded		

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.05 u
Total Phosphorus-P	mg/l	0.07 v	0.15 v
Perchlorate	ug/l	160 vd	150 vd

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 4:02:51 PM

Sample Type:	Station (Site)	LVW Upgradient	LVW Upgradient
Water	Sample Date	6/1/2004	6/14/2004
	Lab	MWL	MWL
	Lab Number	2406020058	2406150118
	Sample Number	LVW UPGRADIENT	LVW UPGRADIENT
	Remarks		
	Superseded		

## Other

Apparent Color	dmi Color	15 v	15 v
Total Dissolved Solids	mg/l	1700 v	1700 v

## Metals

Boron	mg/l	0.7 vd	0.7 vd
Chromium	mg/l	0.001 u	0.001 u
Copper	mg/l	0.0027 v	0.0048 v
Iron	mg/l	0.15 vd	0.13 vd
Manganese	mg/l	0.042 v	0.063 v
Molybdenum	mg/l	0.023 v	0.024 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	140 vd	150 vd
Fluoride	mg/l	1 v	1.03 v
Nitrate (as N)	mg/l	6.3 vd	7 vd
Nitrate/Nitrite	mg/l	6.3 v	7 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	35 vd	33 vd

## Radiologic

Gross Alpha	pCi/l	3.05 u	7 v
Ra-226 - soluble	pCi/l	0.023 u	1.07 u
Ra-228 - soluble	pCi/l	0.571 v	0.706 v

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:52:57 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	6/1/2004	6/14/2004
	Lab	MWL	MWL
	Lab Number	2406020059	2406150119
	Sample Number	LVW 6.05	LVW 6.05
	Remarks		
	Superseded		

## Other

Apparent Color	dmi Color	15 v	15 v
Total Dissolved Solids	mg/l	1730 v	1730 v

## Metals

Boron	mg/l	0.86 vd	0.72 vd
Chromium	mg/l	0.001 u	0.001 u
Copper	mg/l	0.0024 v	0.0034 v
Iron	mg/l	0.14 vd	0.17 vd
Manganese	mg/l	0.044 v	0.058 v
Molybdenum	mg/l	0.024 v	0.026 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	330 vd
Fluoride	mg/l	1 v	1.03 v
Nitrate (as N)	mg/l	12 vd	14 vd
Nitrate/Nitrite	mg/l	12 v	14 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	93 vd	95 vd

## Radiologic

Gross Alpha	pCi/l	4.6 v	3.5 v
Ra-226 - soluble	pCi/l	0.072 v	1.26 v
Ra-228 - soluble	pCi/l	0.805 v	1.15 v

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

7/27/2004 3:53:17 PM

Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	6/1/2004	6/14/2004
	Lab	MWL	MWL
	Lab Number	2406020060	2406150120
	Sample Number	LVW 5.5	LVW 5.5
	Remarks		
	Superseded		

## Other

Apparent Color	dmi Color	15 v	15 v
Total Dissolved Solids	mg/l	1720 v	1730 v

## Metals

Boron	mg/l	0.76 vd	0.71 vd
Chromium	mg/l	0.001 u	0.001 u
Copper	mg/l	0.0025 v	0.0042 v
Iron	mg/l	0.17 vd	0.18 vd
Manganese	mg/l	0.045 v	0.059 v
Molybdenum	mg/l	0.025 v	0.027 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	330 vd
Fluoride	mg/l	1 v	1.03 v
Nitrate (as N)	mg/l	12 vd	14 vd
Nitrate/Nitrite	mg/l	12 v	14 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	95 vd	95 vd

## Radiologic

Gross Alpha	pCi/l	4.5 v	3 u
Ra-226 - soluble	pCi/l	0.069 v	0.986 u
Ra-228 - soluble	pCi/l	0.468 u	0.886 v

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

---

---

**Analyses Summary Report**

Site Name: Henderson

7/27/2004 3:52:27 PM

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Sample Type:	Station (Site)	LVW 0.55	LVW 0.55
Water	Sample Date	6/1/2004	6/14/2004
	Lab	MWL	MWL
	Lab Number	2406020061	2406150121
	Sample Number	LVW .55	LVW .55
	Remarks		
	Superseded		

**Inorganics**

Ammonia (as N)	mg/l	0.05 u	0.054 v
Total Phosphorus-P	mg/l	0.1 v	0.1 v
Perchlorate	ug/l	130 vd	140 vd

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				



**ATTACHMENT 3**

**Supporting  
Analytical Reports**



**KERR-McGEE CHEMICAL LLC**

POST OFFICE BOX 55 - HENDERSON, NEVADA 89009

April 26, 2004

2004 APR 29 PM 4:05

DOWNBAND  
LAS VEGAS

Compliance Coordinator  
State of Nevada  
Division of Environmental Protection  
Bureau of Water Permits & Compliance  
333 W. Nye Lane  
Carson City, Nevada 89710

Dear Gentlemen:

SUBJECT: Discharge Monitoring Report (DMR)  
First Quarter 2004 – NPDES Permit NV 0023060

Kerr-McGee Chemical LLC, Kerr-McGee, maintains an NPDES Permit #0023060 for discharge of water treated, as part of their on-going effort to remediate perchlorate in the Henderson area. The attached DMRs (Attachment 1) reflect information associated with the perchlorate remediation efforts, i.e. discharge of treated surface water near the Las Vegas Wash. Supporting analytical summaries are included in Attachment 2, with the supporting analytical reports included in Attachment 3. Please note that analyses of "Attachment A" analytes, for the treated discharge, indicate that there is no significant increase in "other constituents". This was expected due to the focused nature of the perchlorate remediation processes in service.

Listed separately are analytical results for four Las Vegas Wash locations, which require analyses to evaluate the mixing zone as well as the upgradient on-site groundwater well. Analytical summaries are included in Attachment 2 while supporting analytical reports are included in Attachment 3.

Please note that this NPDES permit was modified in March 2004, but that the CEM for the project (myself) has not changed. Should you have any questions concerning this report, please contact me at (702) 651-2234. Thank you.

Sincerely,

Susan M. Crowley  
Staff Environmental Specialist

By overnight mail

cc: LKBailey  
J Dixon, w/o analytical attachment  
FRStater, w/o analytical attachment  
R Waters, w/o analytical attachment  
Todd Croft, NDEP (Las Vegas)  
Terry Maize, NDEP w/o analytical attachment  
Jim Najima, NDEP w/o analytical attachment  
Brian Rakvica, NDEP, w/o analytical attachment  
Doug Zimmerman, NDEP, w/o analytical attachment  
Mike Goff, SNWA

# ATTACHMENT 1

## Discharge Monitoring Reports (DMR)



C:\Documents and  
Settings\zsmc1\My D



C:\Documents and  
Settings\zsmc1\My D

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

MONITORING PERIOD  
 FROM 04 | 01 | 01 TO 04 | 01 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.  
 QUALITY OR CONCENTRATION

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY	SAMPLE TYPE	
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				EX
Flow	1.22	1.22	MGD				0	Cont	Flow Meter	
Effluent	1.57 MGD Maximum	1.82 MGD Maximum								
Perchlorate (IX)				99.8	99.8	0.95	0	Weekly	Comp	
% Removal				97% Removal or 3 ppm in effluent						
BOD <sub>5</sub> (inhibited)				ND	ND		0	Weekly	Discrete	
Effluent Gross Value				25 mg/l Maximum	45 mg/l Maximum					
pH				7.3	7.5					
Effluent				6.5 Minimum	9.0 Maximum		0	Weekly	Discrete	
Iron, Total				ND	ND		0	Weekly	Discrete	
Effluent				10 mg/l	Monitor & Report					
Manganese				0.51	0.99		0	Weekly	Discrete	
Effluent				5 mg/l	Monitor & Report					
Boron				2.88	3.10		0	Weekly	Discrete	
Effluent				Monitor & Report	Monitor & Report					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED										
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										
							TELEPHONE	DATE		
							702-651-2200	04   02   27		
							AREA CODE NUMBER	YEAR MO DAY		

I CERTIFY UNDER PENALTY OF LAW THAT THE CONSENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT ONLY QUALIFIED PERSONNEL OPERATE THE SYSTEM, OR THOSE PERSONS DIRECTLY BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT I AM SUBJECT TO SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER  
 OFFICER OR AUTHORIZED AGENT

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

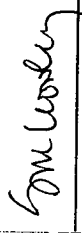
FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

MONITORING PERIOD  
 FROM 04 | 01 | 01 TO 04 | 01 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.  
 QUALITY OR CONCENTRATION

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT			0.020	0.030		mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT			0.028	0.040	0.33	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT			14.50	17.70		mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT			12.75	16.00		mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Nitrate, as N Effluent	SAMPLE MEASUREMENT			12.75	16.00		mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Ammonia, as N Effluent	SAMPLE MEASUREMENT			ND	ND	0.00	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Attachment A Effluent	SAMPLE MEASUREMENT			Please see attached results				0	Quart	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
<small>CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED IN SUPPORT OF THIS SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPROVEMENT FOR KNOWING VIOLATIONS.</small>										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED										
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  TELEPHONE: 702-651-2200 AREA CODE NUMBER: 702-651-2200										
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										
DATE: 04   02   27 YEAR MO DAY										

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 PO BOX 55  
 HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 01 | 01 TO 04 | 01 | 31

NO DISCHARGE    
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT	
Unionized Ammonia, as N Influent	SAMPLE MEASUREMENT	-----	-----	1.1	1.1	-----	0	Weekly	Calc		
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Unionized Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----	-----	1.3	1.7	-----	0	Weekly	Calc		
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Hexavalent Chromium Influent	SAMPLE MEASUREMENT	-----	-----	0.003	0.004	-----	0	Weekly	Discrete		
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Hexavalent Chromium Effluent	SAMPLE MEASUREMENT	-----	-----	ND	ND	-----	0	Weekly	Discrete		
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Total Chromium Influent	SAMPLE MEASUREMENT	-----	-----	0.004	0.004	-----	0	Weekly	Discrete		
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Total Chromium Effluent	SAMPLE MEASUREMENT	-----	-----	ND	ND	-----	0	Weekly	Discrete		
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Total Suspended Solids Influent	SAMPLE MEASUREMENT	-----	-----	135 mg/L	ND	-----	0	Weekly	Discrete		
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
Total Suspended Solids Effluent	SAMPLE MEASUREMENT	-----	-----	135 mg/L	Monitor & Report	-----	0	Weekly	Discrete		
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----					
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED IN RESPONSE TO MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE AND ACCURATE AND I AM NOT PROVIDING ANY SIGNIFICANT BENEFITS FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER				TELEPHONE		DATE	
Susan Crowley				<i>Susan Crowley</i>				702-651-2200		04   02   27	
Staff Environmental Specialist				OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER		YEAR MO DAY	
TYPED OR PRINTED								702-651-2200		04   02   27	

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)

NV 0023060  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

FROM 04 | 01 | 01 TO 04 | 01 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Color	SAMPLE MEASUREMENT	-----		9	10	-----	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Color	SAMPLE MEASUREMENT	-----		3	3	-----	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Total Dissolved Solids	SAMPLE MEASUREMENT	-----		5,753	5,788	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Total Dissolved Solids	SAMPLE MEASUREMENT	-----		5,575	5,600	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Sulfide	SAMPLE MEASUREMENT	-----		ND	ND	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Sulfide	SAMPLE MEASUREMENT	-----		ND	ND	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Dissolved Oxygen	SAMPLE MEASUREMENT	-----		8.43	8.80	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
Effluent	SAMPLE MEASUREMENT	-----		Monitor & Report						
	PERMIT REQUIREMENT			Monitor & Report						
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO MEASURE AND QUANTIFY THE POLLUTANTS DISCHARGED FROM THE FACILITY. I AM AWARE THAT THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Signature: <i>Susan Crowley</i>										
TYPED OR PRINTED Staff Environmental Specialist										
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										
							TELEPHONE	DATE		
							702-651-2200	04   02   27		
							AREA CODE NUMBER	YEAR MO DAY		

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD  
 FROM 04 | 01 | 01 TO 04 | 01 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Oil & Grease Influent	SAMPLE MEASUREMENT	-----		ND	ND	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Oil & Grease Effluent	SAMPLE MEASUREMENT	-----		ND	ND	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
TKN (as N) Influent	SAMPLE MEASUREMENT	-----		0.09	0.12	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
TKN (as N) Effluent	SAMPLE MEASUREMENT	-----		0.34	0.39	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Chloride Influent	SAMPLE MEASUREMENT	-----		1,769	1,850	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Chloride Effluent	SAMPLE MEASUREMENT	-----		1,800	1,900	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Chlorate Influent	SAMPLE MEASUREMENT	-----		114	132	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				

*Susan Crowley*

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALITY OF DATA IS MAINTAINED AND THAT THE SYSTEM OPERATES AS INTENDED. I AM AWARE THAT THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE  
 04 | 02 | 27  
 YEAR MO DAY

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS



PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

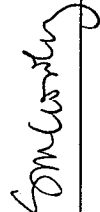
FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD  
 FROM 04 | 01 | 01 TO 04 | 01 | 31

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT			
Chlorate Effluent	SAMPLE MEASUREMENT	-----	-----	-----	101	110	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----	-----	-----	-----	-----
Radium 226 + 228 Effluent	SAMPLE MEASUREMENT	-----	-----	-----	0.625	0.700	-----	pCi/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----	-----	-----	-----	-----
Gross Alpha Effluent	SAMPLE MEASUREMENT	-----	-----	-----	26.3	35.0	-----	pCi/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----	-----	-----	-----	-----
BODs (inhibited) Influent Gross Value	SAMPLE MEASUREMENT	-----	-----	-----	ND	ND	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	-----	25 mg/L Maximum	45 mg/L Maximum	-----	-----	-----	-----	-----
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	PERMIT REQUIREMENT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 									TELEPHONE		DATE
									702-651-2200		04   02   27
									AREA CODE NUMBER		YEAR MO DAY

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL LLC**  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

**DISCHARGE MONITORING REPORT (DMR)**

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

**MONITORING PERIOD**

FROM: 04 | 02 | 01 TO: 04 | 02 | 29

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	UNIT			
Flow Effluent	SAMPLE MEASUREMENT	1.22					0	Cont	Flow Meter
	PERMIT REQUIREMENT	1.22 MGD Maximum							
Perchlorate (IX)	SAMPLE MEASUREMENT			99.7	99.7	2.26	0	Weekly	Comp
	PERMIT REQUIREMENT			99% Removal of effluent	3 ppm in effluent	Monitor & Report			
% Removal	SAMPLE MEASUREMENT			100.0	100.0	0.01	0	Weekly	Comp
	PERMIT REQUIREMENT								
Perchlorate (BIO)	SAMPLE MEASUREMENT						0	Weekly	Discrete
	PERMIT REQUIREMENT								
% Removal	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
BOD <sub>5</sub> (Inhibited)	SAMPLE MEASUREMENT			3	3		0	Weekly	Discrete
	PERMIT REQUIREMENT								
Effluent Gross Value	SAMPLE MEASUREMENT				45 mg/l Maximum				
	PERMIT REQUIREMENT								
pH	SAMPLE MEASUREMENT			7.3	7.4		0	Weekly	Discrete
	PERMIT REQUIREMENT								
Iron, Total	SAMPLE MEASUREMENT				0.05	0.15	0	Weekly	Discrete
	PERMIT REQUIREMENT				10 mg/l	Monitor & Report			
Manganese	SAMPLE MEASUREMENT				0.35	0.36	0	Weekly	Discrete
	PERMIT REQUIREMENT				5 mg/l	Monitor & Report			
Boron	SAMPLE MEASUREMENT				3.00	3.10	0	Weekly	Discrete
	PERMIT REQUIREMENT				Monitor & Report				

STATE UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH THE NPDES PERMIT AND ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. I AM AWARE THAT THESE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR SHOWING VIOLATIONS.

NAME / TITLE: **Susan Crowley**  
 TITLE: **Principal Executive Officer**

SIGNATURE: *Susan Crowley*  
 TITLE: **Principal Executive Officer**

TELEPHONE: 702-651-2200  
 DATE: 04/04/06

COMMENT AND EXPLANATION OF ANY VIOLATIONS: (Reference all attachments here)

PERMITTEE NAME/ADDRESS: **KERR-McGEE CHEMICAL LLC**  
 NAME: **KERR-McGEE CHEMICAL LLC**  
 ADDRESS: **PO BOX 55**  
**HENDERSON, NV 89009-7000**

FACILITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**  
 NV 0023060  
 PERMIT NUMBER

MONITORING PERIOD  
 FROM 04 | 02 | 01 TO 04 | 02 | 29  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	mg/L				
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	-----	-----	-----	0.032	0.046	-----	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report			-----	-----	-----	-----	
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	-----	-----	-----	0.080	0.210	0.98	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report			20 lb/day	-----	-----	-----	
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	-----	-----	-----	14.90	21.75	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report			-----	-----	-----	-----	
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	-----	-----	-----	12.33	13.30	-----	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report			-----	-----	-----	-----	
Nitrate, as N Effluent	SAMPLE MEASUREMENT	-----	-----	-----	12.25	13.00	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report			-----	-----	-----	-----	
Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----	-----	-----	0.11	0.31	1.35	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report			40 lb/day	-----	-----	-----	
Attachment A Effluent	SAMPLE MEASUREMENT	-----	-----	-----	Please see attached results			-----	0	Quart	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report			-----	-----	-----	-----	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER <b>Susan Crowley</b> SIGNATURE OF PRINCIPAL EXECUTIVE <i>S. Crowley</i>											TELEPHONE	DATE
TYPED OR PRINTED <b>Staff Environmental Specialist</b> OFFICER OR AUTHORIZED AGENT SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 702-651-2200 AREA CODE NUMBER											702-651-2200	04/04/26
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											YEAR	NO. DAY

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL LLC

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD

FROM 04 | 02 | 01 TO 04 | 02 | 29

NO DISCHARGE

NOTE: Read instructions before completing this form.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Unionized Ammonia, as N Influent	SAMPLE MEASUREMENT	-----		1.3	1.7	-----	0	Weekly	Calc
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Unionized Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----		1.2	1.4	-----	0	Weekly	Calc
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Hexavalent Chromium Influent	SAMPLE MEASUREMENT	-----		0.002	0.003	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Hexavalent Chromium Effluent	SAMPLE MEASUREMENT	-----		0.001	0.001	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	0.01 mg/L	-----			
Total Chromium Influent	SAMPLE MEASUREMENT	-----		0.005	0.005	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Total Chromium Effluent	SAMPLE MEASUREMENT	-----		0.005	0.005	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	0.10 mg/L	-----			
Total Suspended Solids Effluent	SAMPLE MEASUREMENT	-----		10.00	10.00	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT			100 mg/L	Monitor & Report	-----			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE			DATE				
Susan Crowley		702-651-2200			04/04/26				
Staff Environmental Specialist		SIGNATURE OF PRINCIPAL EXECUTIVE			OFFICER OR AUTHORIZED AGENT			AREA CODE NUMBER	
TYPED OR PRINTED		702-651-2200						YEAR MO DAY	
COMMENT AND EXPLANATION OF ANY VIOLATIONS									

*S. Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

(Reference all attachments here)

FACILITY: KERR-McGEE CHEMICAL LLC  
 MONITORING PERIOD  
 FROM 04 | 02 | 01 TO 04 | 02 | 29  
 NO DISCHARGE

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
<b>Color</b>	SAMPLE MEASUREMENT	-----		9	10	-----	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
<b>Influent</b>	SAMPLE MEASUREMENT	-----		4	5	-----	ACU	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
<b>Total Dissolved Solids</b>	SAMPLE MEASUREMENT	-----		5,756	5,832	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
<b>Total Dissolved Solids</b>	SAMPLE MEASUREMENT	-----		5,730	5,830	-----	mg/L	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
<b>Sulfide</b>	SAMPLE MEASUREMENT	-----		0.10	0.10	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
<b>Sulfide</b>	SAMPLE MEASUREMENT	-----		0.10	0.10	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
<b>Dissolved Oxygen</b>	SAMPLE MEASUREMENT	-----		7.02	9.40	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF THE AND IMPROVEMENT FOR Ongoing VIOLATIONS.										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist							TELEPHONE 702-651-2200		DATE 04/04/26	
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)							AREA CODE NUMBER 702-651-2200		YEAR MO DAY	

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
<b>Oil &amp; Grease</b>	MEASUREMENT	-----		5	5.00	-----	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report					
<b>Oil &amp; Grease</b>	MEASUREMENT	-----		5.0	5.0	-----	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report					
<b>TKN (as N)</b>	MEASUREMENT	-----		0.23	0.27	-----	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report					
<b>TKN (as N)</b>	MEASUREMENT	-----		0.69	1.40	-----	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report					
<b>Chloride</b>	MEASUREMENT	-----		1,911	1,969	-----	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report					
<b>Chloride</b>	MEASUREMENT	-----		2,000	2,100	-----	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT			Monitor & Report					
<b>Chlorate</b>	MEASUREMENT	-----		109	111	-----	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT			Monitor & Report					

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE  
*Susan Crowley*  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 702-651-2200

DATE  
 04/04/26

AREA CODE NUMBER  
 YEAR MO DAY

PERMITTEE NAME/ADDRESS: **KERR-McGEE CHEMICAL LLC**  
 NAME: **PO BOX 55**  
 ADDRESS: **HENDERSON, NV 89009-7000**

FACILITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

MONITORING PERIOD  
 FROM **04 | 02 | 01** TO **04 | 02 | 29** **NO DISCHARGE**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
<b>Chlorate Effluent</b>	SAMPLE MEASUREMENT	-----		85	110	-----	mg/L	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
<b>Radium 226 + 228 Effluent</b>	SAMPLE MEASUREMENT	-----		0.675	0.800	-----	pCi/L	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
<b>Gross Alpha Effluent</b>	SAMPLE MEASUREMENT	-----		16.5	31.0	-----	pCi/L	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
<b>BODs (Inhibited) Influent Gross Value</b>	SAMPLE MEASUREMENT	-----		3.0	3.0	-----	mg/L	Weekly	Discrete
	PERMIT REQUIREMENT	-----		25 mg/L Maximum	45 mg/L Maximum	-----			
	SAMPLE MEASUREMENT	-----				-----			
	PERMIT REQUIREMENT	-----				-----			
	SAMPLE MEASUREMENT	-----				-----			
	PERMIT REQUIREMENT	-----				-----			
	SAMPLE MEASUREMENT	-----				-----			
	PERMIT REQUIREMENT	-----				-----			
	SAMPLE MEASUREMENT	-----				-----			
	PERMIT REQUIREMENT	-----				-----			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER: <b>Susan Crowley</b> SIGNATURE: <i>Susan Crowley</i> TYPED OR PRINTED: <b>Staff Environmental Specialist</b> OFFICER OR AUTHORIZED AGENT: <b>SIGNATURE OF PRINCIPAL EXECUTIVE</b> TELEPHONE: <b>702-651-2200</b> DATE: <b>04/04/20</b> AREA CODE NUMBER: <b>702-651-2200</b> YEAR MO DAY: <b>04/04/20</b>									

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY  
 MONITORING PERIOD  
 FROM 04 | 03 | 01 TO 04 | 03 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	MEASUREMENT 1.35	MEASUREMENT 1.51	MGD				0	Cont	Flow Meter
Effluent	PERMIT REQUIREMENT 1.45 MGD Maximum	PERMIT REQUIREMENT 1.75 MGD Maximum							
Perchlorate (IX)	MEASUREMENT	MEASUREMENT		99.3	99.9	1.62	0	Weekly	Comp
% Removal	PERMIT REQUIREMENT	PERMIT REQUIREMENT		97% Removal of 3 ppm in effluent	Monitor & Report	Monitor & Report			
Perchlorate (BIO)	MEASUREMENT	MEASUREMENT		99.9	99.9	0.38	0	Weekly	Comp
% Removal	PERMIT REQUIREMENT	PERMIT REQUIREMENT		99% Removal of 3 ppm in effluent	50 lbs/day				
BOD <sub>5</sub> (Inhibited)	MEASUREMENT	MEASUREMENT		16	27.5		0	Weekly	Discrete
Effluent Gross Value	PERMIT REQUIREMENT	PERMIT REQUIREMENT		25 mg/l Maximum	45 mg/l Maximum				
pH	MEASUREMENT	MEASUREMENT		7.1	7.4		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		8.5 Minimum	9.0 Maximum				
Iron, Total	MEASUREMENT	MEASUREMENT		0.13	0.17		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		10 mg/l	Monitor & Report				
Manganese	MEASUREMENT	MEASUREMENT		0.30	0.36		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		5 mg/l	Monitor & Report				
Boron	MEASUREMENT	MEASUREMENT		2.95	3.00		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	PERMIT REQUIREMENT		Monitor & Report	Monitor & Report				

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**Susan Crowley**  
 Staff Environmental Specialist  
 TYPED OR PRINTED

TELEPHONE  
 702-651-2200

DATE  
 04/04/06

AREA CODE NUMBER  
 702-651-2200

YEAR MO DAY  
 04/04/06

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
*Susan Crowley*

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

PERMITTEE CERTIFIES UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY KNOWLEDGE OF THE PERSONS OR FIRMS EMPLOYED TO OBTAIN AND EVALUATE THE INFORMATION, I AM AWARE THAT THESE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

00044/961223-1801

PAGE 1 OF 6



PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 NAME: PO BOX 55  
 ADDRESS: HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC

MONITORING PERIOD

LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

FROM 04 | 03 | 01 TO 04 | 03 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	-----		0.041	0.050	-----	mg/L	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	-----		0.410	0.560	4.63	mg/L	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	20 lb/day				
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	-----		12.64	18.14	-----	mg/l	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	-----		3.56	12.40	-----	mg/L	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Nitrate, as N Effluent	SAMPLE MEASUREMENT	-----		6.00	12.00	-----	mg/l	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----				
Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----		0.57	0.69	6.39	mg/l	Weekly	Discrete	
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	40 lb/day				
Attachment A Effluent	SAMPLE MEASUREMENT	-----		Please see attached results				0	Quart	Discrete
	PERMIT REQUIREMENT			Monitor & Report						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE			TELEPHONE			DATE		
Susan Crowley		<i>S. Crowley</i>			702-651-2200			04/04/26		
Staff Environmental Specialist		SIGNATURE OF AUTHORIZED AGENT			AREA CODE NUMBER			YEAR MO DAY		
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT			702-651-2200			YEAR MO DAY		

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:  
**KERR-MCGEE CHEMICAL LLC**  
 NAME: **PO BOX 55**  
 ADDRESS: **HENDERSON, NV 89009-7000**

**DISCHARGE MONITORING REPORT (DMR)**

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

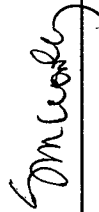
FACILITY: **KERR-MCGEE CHEMICAL LLC**

**MONITORING PERIOD**

LOCATION: **HENDERSON, NV**  
 Atr: **SUSAN M. CROWLEY**

FROM **04 | 03 | 01** TO **04 | 03 | 31** **NO DISCHARGE**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Unionized Ammonia, as N Influent	SAMPLE MEASUREMENT	-----		1.4	1.6	-----	%	Weekly	Calc
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Unionized Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----		0.8	1.4	-----	%	Weekly	Calc
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Hexavalent Chromium Influent	SAMPLE MEASUREMENT	-----		0.001	0.001	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Hexavalent Chromium Effluent	SAMPLE MEASUREMENT	-----		0.000	0.001	-----	mg/L	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Total Chromium Influent	SAMPLE MEASUREMENT	-----		0.005	0.005	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Total Chromium Effluent	SAMPLE MEASUREMENT	-----		0.004	0.005	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Total Suspended Solids Influent	SAMPLE MEASUREMENT	-----		10.50	11.00	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
Total Suspended Solids Effluent	SAMPLE MEASUREMENT	-----		135 mg/l	Monitor & Report	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report	-----			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER <b>Susan Crowley</b> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 									
TELEPHONE: <b>702-651-2200</b> DATE: <b>04/04/26</b> AREA CODE NUMBER: <b>702</b> YEAR: <b>04</b> MO: <b>04</b> DAY: <b>26</b>									
COMMENT AND EXPLANATION OF ANY VIOLATIONS TYPED OR PRINTED (Reference all attachments here)									

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL, PROPERLY TRAINED AND EVALUATED, HAVE BEEN RESPONSIBLE FOR OBTAINING THE INFORMATION ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. I AM NOT PROVIDING ANY INFORMATION TO THE BEST OF MY KNOWLEDGE AND BELIEF, INCLUDING THE POSSIBILITY OF FINE AND IMPROPERMENT FOR VIOLATIONS. SIGNATURE REQUIRED FOR REPORTING FACILITY OPERATIONS, INCLUDING THE POSSIBILITY OF FINE AND IMPROPERMENT FOR VIOLATIONS.

**KERR-MCGEE CHEMICAL LLC**  
 NAME: PO BOX 55  
 ADDRESS: HENDERSON, NV 89009-7000

**DISCHARGE MONITORING REPORT (DMR)**

NV 0023060  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

FACILITY: KERR-MCGEE CHEMICAL LLC

**MONITORING PERIOD**

LOCATION: HENDERSON, NV  
 Atn: SUSAN M. CROWLEY

FROM 04 | 03 | 01 TO 04 | 03 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)			
<b>Color</b>	SAMPLE MEASUREMENT			10	10	0	Weekly	Discrete
<b>Influent</b>	PERMIT REQUIREMENT			Monitor & Report				
<b>Color</b>	SAMPLE MEASUREMENT			5	5	0	Weekly	Discrete
<b>Effluent</b>	PERMIT REQUIREMENT			Monitor & Report				
<b>Total Dissolved Solids</b>	SAMPLE MEASUREMENT			5,247	5,556	0	Weekly	Discrete
<b>Influent</b>	PERMIT REQUIREMENT			Monitor & Report				
<b>Total Dissolved Solids</b>	SAMPLE MEASUREMENT			5,317	5,470	0	Weekly	Discrete
<b>Effluent</b>	PERMIT REQUIREMENT			Monitor & Report				
<b>Sulfide</b>	SAMPLE MEASUREMENT			0.10	0.10	0	Weekly	Discrete
<b>Influent</b>	PERMIT REQUIREMENT			Monitor & Report				
<b>Sulfide</b>	SAMPLE MEASUREMENT			0.10	0.10	0	Weekly	Discrete
<b>Effluent</b>	PERMIT REQUIREMENT			Monitor & Report				
<b>Dissolved Oxygen</b>	SAMPLE MEASUREMENT			6.86	7.99	0	Weekly	Discrete
<b>Effluent</b>	PERMIT REQUIREMENT			Monitor & Report				
<p>CRADY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE FACILITY OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND CORRECT AND I AM NOT PROVIDING ANY ADDITIONAL INFORMATION FOR THE FACILITY OR THOSE PERSONS WHO MANAGE THE FACILITY OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND DEPRIVATION FOR INSURING VIOLATIONS.</p>								
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			SIGNATURE OF PRINCIPAL EXECUTIVE			TELEPHONE		DATE
Susan Crowley			<i>S. Crowley</i>			702-651-2200		04/04/26
Staff Environmental Specialist			OFFICER OR AUTHORIZED AGENT			AREA CODE NUMBER		YEAR MO DAY
TYPED OR PRINTED						702-651-2200		04/04/26

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT	mg/l				
<b>Oil &amp; Grease</b>	SAMPLE MEASUREMENT	-----	-----		5	5.00		mg/l	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT				Monitor & Report							
<b>Oil &amp; Grease</b>	SAMPLE MEASUREMENT	-----	-----		5.0	5.0		mg/l	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT				Monitor & Report							
<b>TKN (as N)</b>	SAMPLE MEASUREMENT	-----	-----		0.30	0.38		mg/l	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT				Monitor & Report							
<b>TKN (as N)</b>	SAMPLE MEASUREMENT	-----	-----		3.91	5.30		mg/L	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT				Monitor & Report							
<b>Chloride</b>	SAMPLE MEASUREMENT	-----	-----		2,103	3,167		mg/l	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT				Monitor & Report							
<b>Chloride</b>	SAMPLE MEASUREMENT	-----	-----		1,825	1,900		mg/l	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT				Monitor & Report							
<b>Chlorate</b>	SAMPLE MEASUREMENT	-----	-----		106	116		mg/l	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT				Monitor & Report							
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED											TELEPHONE	DATE
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											702-651-2200	04/04/26
											AREA CODE NUMBER	YEAR MO DAY

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER

OFFICER OR AUTHORIZED AGENT

PERMITTEE CERTIFIES UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THOSE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

FACILITY: **KERR-McGEE CHEMICAL LLC**

LOCATION: **HENDERSON, NV**  
 Attn: **SUSAN M. CROWLEY**

MONITORING PERIOD  
 FROM **04 | 03 | 01** TO **04 | 03 | 31** NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT				
<b>Chlorate</b>	SAMPLE MEASUREMENT	-----			30	102	-----	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----			Monitor & Report							
<b>Effluent</b>	SAMPLE MEASUREMENT	-----			0.625	0.700	-----	pCi/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----			Monitor & Report							
<b>Radium 226 + 228</b>	SAMPLE MEASUREMENT	-----			12.9	20.0	-----	pCi/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----			Monitor & Report							
<b>Gross Alpha</b>	SAMPLE MEASUREMENT	-----			3.0	3.0	-----	mg/L	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----			25 mg/L Maximum	45 mg/L Maximum	-----					
<b>BODs (Inhibited)</b>	SAMPLE MEASUREMENT	-----					-----					
	PERMIT REQUIREMENT	-----					-----					
<b>Influent Gross Value</b>	SAMPLE MEASUREMENT	-----					-----					
	PERMIT REQUIREMENT	-----					-----					
	SAMPLE MEASUREMENT	-----					-----					
	PERMIT REQUIREMENT	-----					-----					
	SAMPLE MEASUREMENT	-----					-----					
	PERMIT REQUIREMENT	-----					-----					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER <b>Susan Crowley</b> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											TELEPHONE	DATE
TYPED OR PRINTED <b>Staff Environmental Specialist</b>											702-651-2200	04/04/26
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											AREA CODE NUMBER	YEAR MO DAY

## **ATTACHMENT 2**

### **Summary of Supporting Analytical - Influent / Effluent Wash M-10 Upgradient Well**

ANALYSES SUMMARY REPORT

C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset031204.  
Henderson

Sample Matrix	STATION	IX Influen	IX Influen	IX Influen	IX Influen
Water	SAMPLE DATE	1/2/2004	1/7/2004	1/14/2004	1/21/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2401030002	2401080008	2401150076	2401220064
	SAMPLE NUMBER	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port	Sampling port	Sampling port
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data
<b>Hydrocarbon (mg/l): ppm unless noted</b>					
	Oil and grease (TOT)	<5	<5	<5	<5
<b>Inorganics (%): ppm unless noted</b>					
	Percent Unionized Ammonia 25C (TOT)	1.38	1.1	1.1	1.1
<b>Inorganics (mg/l): ppm unless noted</b>					
	sulfide (TOT)	<0.1	<0.1	<0.1	<0.1
	Ammonia (as N) (TOT)	<0.05	0.069	0.055	0.064
	Biochemical oxygen demand (TOT)	<3	<3	<3	<3
	Chloride (TOT)	1400	1200	1300	1400
	Total Kjeldahl Nitrogen (TOT)	<0.2	0.47	0.25	0.41
	Nitrate (as N) (L45u)		4.1	5.1	4.7
	Nitrate (as N) (TOT)	4.5			
	Nitrate/Nitrite (TOT)	4.5	4.17	5.15	4.76
	Nitrite (L45u)		<4	<4	<4
	Nitrite (TOT)	<4			
	Total Phosphorus-P (TOT)	0.02	0.01	0.05	0.03
<b>Inorganics (ug/l): ppm unless noted</b>					
	Chlorate (L45u)		31000	33000	34000
	Chlorate (TOT)	31000			
	Perchlorate (L45u)		21000	23000	25000
	Perchlorate (TOT)	22000			
<b>Metals (mg/l): ppm unless noted</b>					
	Chromium-hexavalent (TOT)	<0.005			
<b>Metals (ug/l): ppm unless noted</b>					
	Chromium (TOT)	<5	<5	<5	<5
	Chromium-hexavalent (L45u)		<0.1	<0.1	<0.1
<b>Other: ppm unless noted</b>					
	Apparent Color (TOT)	10	10	10	10
	Laboratory pH (TOT)	7.4	7.3	7.3	7.3
	Total Dissolved Solids (TOT)	4370	4310	4300	4500

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson

Sample Matrix	STATION	IX Effluen	IX Effluen	IX Effluen	IX Effluen
Water	SAMPLE DATE	1/2/2004	1/7/2004	1/14/2004	1/21/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2401030003	2401080009	2401150077	2401220066
	SAMPLE NUMBER	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	TYPE	Sampling port	Sampling port	Sampling port	Sampling port
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data
<b>Hydrocarbon (mg/l): ppm unless noted</b>					
	Oil and grease (TOT)	<5	<5	<5	<5
<b>Inorganics (%): ppm unless noted</b>					
	Percent Unionized Ammonia 25C (TOT)	1.73	1.73	1.1	1.1
<b>Inorganics (mg/l): ppm unless noted</b>					
	sulfide (TOT)	<0.1	<0.1	<0.1	<0.1
	Ammonia (as N) (TOT)	<0.05	<0.05	<0.05	<0.05
	Biochemical oxygen demand (TOT)	<3	<3	<3	<3
	Chloride (TOT)	1800	1700	1900	1900
	Total Kjeldahl Nitrogen (TOT)	0.22	0.26	0.38	0.32
	Nitrate (as N) (L45u)		11	13	16
	Nitrate (as N) (TOT)	11			
	Nitrate/Nitrite (TOT)	11	11	13	16
	Nitrite (L45u)		<4	<4	<4
	Nitrite (TOT)	<4			
	Total Phosphorus-P (TOT)	0.03	0.02	0.03	0.02
<b>Inorganics (ug/l): ppm unless noted</b>					
	Chlorate (L45u)		82000	110000	110000
	Chlorate (TOT)	110000			
	Perchlorate (L45u)		17	12	100
	Perchlorate (TOT)	53			
<b>Metals (mg/l): ppm unless noted</b>					
	Boron (TOT)	3.1	2.7	2.8	2.9
	Chromium-hexavalent (TOT)	<0.005			
	Iron (TOT)	<0.01	<0.02	<0.02	<0.02
<b>Metals (ug/l): ppm unless noted</b>					
	Chromium (TOT)	6.3	<5	<5	<5
	Chromium-hexavalent (L45u)		1.9	2	1.8
	Manganese (TOT)	310	330	300	990
<b>Other: ppm unless noted</b>					
	Apparent Color (TOT)	3	3	3	3
	Laboratory pH (TOT)	7.5	7.5	7.3	7.3
	Total Dissolved Solids (TOT)	5740	5600	5570	5590
	Total Suspended Solids (TOT)	<10	<10	<10	<10
<b>Radiologic (pCi/l): ppm unless noted</b>					
	Gross Alpha (TOT)	36	16	35	26
	Ra-226 - soluble (TOT)	<0.2	0.3	0.3	0.5
	Ra-228 - soluble (TOT)	<0.4	<0.4	<0.4	<0.3

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.



**ANALYSES SUMMARY REPORT**

**C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson**

Sample Matrix	STATION	IX Influen	IX Influen	IX Influen	IX Influen
Water	SAMPLE DATE	2/4/2004	2/11/2004	2/18/2004	2/25/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2402050014	2402120057	2402190014	2402260013
	SAMPLE NUMBER	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port	Sampling port	Sampling port
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data
<b>Hydrocarbon (mg/l): ppm unless noted</b>					
	Oil and grease (TOT)	<5	<5	<5	<5
<b>Inorganics (%): ppm unless noted</b>					
	Percent Unionized Ammonia 25C (TOT)	1.1	1.1	1.73	1.1
<b>Inorganics (mg/l): ppm unless noted</b>					
	sulfide (TOT)	<0.1	<0.1	<0.1	<0.1
	Ammonia (as N) (TOT)	0.063	0.12	0.183	0.924
	Biochemical oxygen demand (TOT)	<3	<3	<3	<3
	Chloride (TOT)	1500	1600	1500	1400
	Total Kjeldahl Nitrogen (TOT)	0.37	<0.2	<0.2	0.43
	Nitrate (as N) (L45u)	7.5	7.2	6	6.2
	Nitrate/Nitrite (TOT)	7.56	7.32	6.18	7.12
	Nitrite (L45u)	<4	<4	<4	<4
	Total Phosphorus-P (TOT)		0.05	0.06	0.06
<b>Inorganics (ug/l): ppm unless noted</b>					
	Chlorate (L45u)	39000	38000	37000	35000
	Perchlorate (L45u)	27000	25000	25000	26000
<b>Metals (ug/l): ppm unless noted</b>					
	Chromium (TOT)	<5	<5	<5	<5
	Chromium-hexavalent (L45u)	<0.1	<0.1	<0.1	<0.1
<b>Other: ppm unless noted</b>					
	Apparent Color (TOT)	10	10	10	10
	Laboratory pH (TOT)	7.3	7.3	7.5	7.3
	Total Dissolved Solids (TOT)	4650	4630	4620	4490

TOT: Total; DIS: Dissolved; TRC: Total Recoverable  
NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson

Sample Matrix	STATION	IX Effluen	IX Effluen	IX Effluen	IX Effluen
Water	SAMPLE DATE	2/4/2004	2/11/2004	2/18/2004	2/25/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2402050015	2402120058	2402190016	2402260014
	SAMPLE NUMBER	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	TYPE	Sampling port	Sampling port	Sampling port	Sampling port
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data
<b>Hydrocarbon (mg/l): ppm unless noted</b>					
	Oil and grease (TOT)	<5	<5	<5	<5
<b>Inorganics (%): ppm unless noted</b>					
	Percent Unionized Ammonia 25C (TOT)	1.38	1.38	0.873	1.1
<b>Inorganics (mg/l): ppm unless noted</b>					
	sulfide (TOT)	<0.1	<0.1	<0.1	<0.1
	Ammonia (as N) (TOT)	<0.05	<0.05	0.306	<0.05
	Biochemical oxygen demand (TOT)	<3	<3	4.9	<3
	Chloride (TOT)	2100	2000	2100	1800
	Total Kjeldahl Nitrogen (TOT)	0.57	0.35	1.4	0.42
	Nitrate (as N) (L45u)	13	11	13	12
	Nitrate/Nitrite (TOT)	13	11	13.3	12
	Nitrite (L45u)	<4	<4	<4	<4
	Total Phosphorus-P (TOT)	0.03	0.03	0.21	0.05
<b>Inorganics (ug/l): ppm unless noted</b>					
	Chlorate (L45u)	95000	89000	47000	110000
	Perchlorate (L45u)	460	77	590	86
<b>Metals (mg/l): ppm unless noted</b>					
	Boron (TOT)	3	2.9	3.1	3
	Iron (TOT)	<0.02	<0.02	0.15	<0.02
<b>Metals (ug/l): ppm unless noted</b>					
	Chromium (TOT)	<5	<5	<5	<5
	Chromium-hexavalent (L45u)	1.4	1.2	<0.1	1.4
	Manganese (TOT)	360	340	350	350
<b>Other: ppm unless noted</b>					
	Apparent Color (TOT)	3	3	5	5
	Laboratory pH (TOT)	7.4	7.4	7.2	7.3
	Total Dissolved Solids (TOT)	5730	5830	5730	5630
	Total Suspended Solids (TOT)	<10	<10	<10	<10
<b>Radiologic (pCi/l): ppm unless noted</b>					
	Gross Alpha (TOT)	20	<13	<2	31
	Ra-226 - soluble (TOT)	<0.3	<0.3	<0.4	<0.3
	Ra-228 - soluble (TOT)	<0.3	<0.3	<0.4	<0.4

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

**ANALYSES SUMMARY REPORT**

**C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson**

Sample Matrix	STATION	IX Influen	IX Influen	IX Influen	IX Influen
Water	SAMPLE DATE	3/3/2004	3/10/2004	3/17/2004	3/24/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2403040040	2403110046	2403180002	2403250077
	SAMPLE NUMBER	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port	Sampling port	Sampling port
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data

<b>Hydrocarbon (mg/l): ppm unless noted</b>					
Oil and grease (TOT)	<5	<5	<5	<5	<5

<b>Inorganics (%): ppm unless noted</b>					
Percent Unionized Ammonia 25C (TOT)	1.38	1.38	1.73	1.38	

<b>Inorganics (mg/l): ppm unless noted</b>					
sulfide (TOT)	<0.1	<0.1	<0.1	<0.1	
Ammonia (as N) (TOT)	0.625	0.637	0.107	0.36	
Biochemical oxygen demand (TOT)	<3	<3	<3	<3	
Chloride (TOT)	1500	1400	1300	1100	
Total Kjeldahl Nitrogen (TOT)	0.73	0.58	0.66	0.45	
Nitrate (as N) (L45u)	6.9	5.4	5.7	7.7	
Nitrate/Nitrite (TOT)	7.52	6.04	5.81	8.06	
Nitrite (L45u)	<4	<4	<4	<4	
Total Phosphorus-P (TOT)	0.07	0.07	0.07	0.04	

<b>Inorganics (ug/l): ppm unless noted</b>					
Chlorate (L45u)	34000	36000	32000	31000	
Perchlorate (L45u)	24000	25000	26000	19000	

<b>Metals (ug/l): ppm unless noted</b>					
Chromium (TOT)	<5	<5	<5	<5	
Chromium-hexavalent (L45u)	<0.1	<0.1	<0.1	<0.1	

<b>Other: ppm unless noted</b>					
Apparent Color (TOT)	10	10	10	10	
Laboratory pH (TOT)	7.4	7.4	7.5	7.4	
Total Dissolved Solids (TOT)	4460	4420	4210	3900	

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson

Sample Matrix	STATION	IX Effluen	IX Effluen	IX Effluen	IX Effluen
Water	SAMPLE DATE	3/3/2004	3/10/2004	3/17/2004	3/24/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2403040041	2403110047	2403180003	2403250078
	SAMPLE NUMBER	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	TYPE	Sampling port	Sampling port	Sampling port	Sampling port
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data
<b>Hydrocarbon (mg/l): ppm unless noted</b>					
	Oil and grease (TOT)	<5	<5	<5	<5
<b>Inorganics (%): ppm unless noted</b>					
	Percent Unionized Ammonia 2SC (TOT)	1.38	0.552	0.873	0.439
<b>Inorganics (mg/l): ppm unless noted</b>					
	sulfide (TOT)	<0.1	<0.1	<0.1	<0.1
	Ammonia (as N) (TOT)	0.414	0.69	0.537	0.624
	Biochemical oxygen demand (TOT)	<3	12.7	27.5	20.1
	Chloride (TOT)	1900	1900	1800	1700
	Total Kjeldahl Nitrogen (TOT)	0.83	4.6	4.9	5.3
	Nitrate (as N) (L45u)	12	<4	<4	<4
	Nitrate/Nitrite (TOT)	12.4	0.69	0.537	0.624
	Nitrite (L45u)	<4	<4	<4	<4
	Total Phosphorus-P (TOT)	0.09	0.56	0.45	0.54
<b>Inorganics (ug/l): ppm unless noted</b>					
	Chlorate (L45u)	102000	9600	6800	3500
	Perchlorate (L45u)	43	12	42	<4
<b>Metals (mg/l): ppm unless noted</b>					
	Boron (TOT)	3	3	2.9	2.9
	Iron (TOT)	<0.02	0.17	0.2	0.13
<b>Metals (ug/l): ppm unless noted</b>					
	Chromium (TOT)	<5	1.4	<5	<5
	Chromium-hexavalent (L45u)	0.8	<0.1	<0.1	<0.1
	Manganese (TOT)	330	360	280	220
<b>Other: ppm unless noted</b>					
	Apparent Color (TOT)	3	5	5	5
	Laboratory pH (TOT)	7.4	7	7.2	6.9
	Total Dissolved Solids (TOT)	5470	5430	5250	5120
	Total Suspended Solids (TOT)	<10	<10	11	11
<b>Radiologic (pCi/l): ppm unless noted</b>					
	Gross Alpha (TOT)	<11.8	9.9	20	10
	Ra-226 - soluble (TOT)	<0.3	<0.2	<0.2	<0.3
	Ra-228 - soluble (TOT)	<0.4	<0.4	<0.3	<0.4

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson

Sample Matrix	STATION	LVW 6.05	LVW 6.05	LVW Upgrad	LVW Upgrad
Water	SAMPLE DATE	1/2/2004	1/14/2004	1/2/2004	1/14/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2401030006	2401150080	2401030005	2401150079
	SAMPLE NUMBER	LVW 6.05	LVW 6.05	*W UPGRADIENT	*W UPGRADIENT
	TYPE				
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data
<b>Inorganics (mg/l): ppm unless noted</b>					
	Ammonia (as N) (TOT)	0.621	0.074	0.591	<0.05
	Chloride (TOT)	310	340	300	320
	Fluoride (TOT)	1	1	1	1.1
	Nitrate (as N) (TOT)	14	14	15	15
	Nitrate/Nitrite (TOT)	14.6	14.1	15.6	15
	Nitrite (TOT)	<0.5	<0.5	<0.5	<0.5
<b>Inorganics (ug/l): ppm unless noted</b>					
	Perchlorate (TOT)	98	80	43	47
<b>Metals (mg/l): ppm unless noted</b>					
	Boron (TOT)	<0.5	0.68	<0.5	0.69
	Iron (TOT)	<0.1	0.14	<0.1	0.15
<b>Metals (ug/l): ppm unless noted</b>					
	Chromium (TOT)	<1	<1	4.2	<1
	Copper (TOT)	3.8	3.4	3.9	2.7
	Manganese (TOT)	58	50	65	53
	Molybdenum (TOT)	17	20	17	21
<b>Other: ppm unless noted</b>					
	Apparent Color (TOT)	20	15	20	15
	Total Dissolved Solids (TOT)	1700	1720	1700	1760
<b>Radiologic (pCi/l): ppm unless noted</b>					
	Gross Alpha (TOT)	3.4	7.9	6.2	4.4
	Ra-226 - soluble (TOT)	<0.3	<0.3	<0.1	<0.2
	Ra-228 - soluble (TOT)	<0.4	<0.4	<0.4	<0.4

TOT: Total; DIS: Dissolved; TRC: Total Recoverable  
NOTE: Table 1 lists data validation flagging descriptions.

**ANALYSES SUMMARY REPORT**

**C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson**

Sample Matrix	STATION	LVW 0.55	LVW 0.55	LVW 5.5	LVW 5.5
Water	SAMPLE DATE	1/2/2004	1/14/2004	1/2/2004	1/14/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2401030008	2401150082	2401030007	2401150081
	SAMPLE NUMBER	LVW 0.55	LVW 0.55	LVW 5.5	LVW 5.5
	TYPE				
DESCRIPTION					
REMARKS	Original Data	Original Data	Original Data	Original Data	Original Data
<b>Inorganics (mg/l): ppm unless noted</b>					
Ammonia (as N) (TOT)	0.66	<0.05	<0.05	0.067	
Chloride (TOT)			310	340	
Fluoride (TOT)			1	1	
Nitrate (as N) (TOT)			15	14	
Nitrate/Nitrite (TOT)			15	14.1	
Nitrite (TOT)			<0.5	<0.5	
Total Phosphorus-P (TOT)	0.28	0.08			
<b>Inorganics (ug/l): ppm unless noted</b>					
Perchlorate (TOT)	230	220	100	91	
<b>Metals (mg/l): ppm unless noted</b>					
Boron (TOT)			<0.5	0.74	
Iron (TOT)			<0.1	0.093	
<b>Metals (ug/l): ppm unless noted</b>					
Chromium (TOT)			1.1	<1	
Copper (TOT)			4.2	2.9	
Manganese (TOT)			62	50	
Molybdenum (TOT)			18	21	
<b>Other: ppm unless noted</b>					
Apparent Color (TOT)			20	15	
Total Dissolved Solids (TOT)			1710	1680	
<b>Radiologic (pCi/l): ppm unless noted</b>					
Gross Alpha (TOT)			5.6	21	
Ra-226 - soluble (TOT)			<0.2	0.4	
Ra-228 - soluble (TOT)			<0.3	<0.4	

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

**ANALYSES SUMMARY REPORT**

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Henderson**

Sample Matrix	STATION	LVW 6.05	LVW 6.05	LVW Upgrad	LVW Upgrad
Water	SAMPLE DATE	2/11/2004	2/25/2004	2/11/2004	2/25/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2402120061	2402260017	2402120060	2402260016
	SAMPLE NUMBER	LVW 6.05	LVW 6.05	'W UPGRADIENT	'W UPGRADIENT
	TYPE				
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data
<b>Inorganics (mg/l): ppm unless noted</b>					
	Ammonia (as N) (TOT)	0.066	<0.05	<0.05	<0.05
	Chloride (TOT)	340	350	340	330
	Fluoride (TOT)	0.97	0.89	1.1	0.94
	Nitrate (as N) (L45u)	14	13	16	13
	Nitrate/Nitrite (TOT)	14.1	13	16	13
	Nitrite (L45u)	<0.5	<0.5	<0.5	<0.5
<b>Inorganics (ug/l): ppm unless noted</b>					
	Perchlorate (L45u)	80	120	54	59
<b>Metals (mg/l): ppm unless noted</b>					
	Boron (TOT)	0.68	0.72	0.71	0.73
	Iron (TOT)	0.12	0.7	0.085	0.68
<b>Metals (ug/l): ppm unless noted</b>					
	Chromium (TOT)	<1	6.2	<1	1.6
	Copper (TOT)	4.3	3.7	4	2.8
	Manganese (TOT)	45	83	52	85
	Molybdenum (TOT)	19	24	20	25
<b>Other: ppm unless noted</b>					
	Apparent Color (TOT)	15	15	15	15
	Total Dissolved Solids (TOT)	1730	1810	1800	1840
<b>Radiologic (pCi/l): ppm unless noted</b>					
	Gross Alpha (TOT)	<3.4	5.3	5.9	<4.05
	Ra-226 - soluble (TOT)	<0.2	<0.3	<0.3	0.4
	Ra-228 - soluble (TOT)	<0.4	<0.4	<0.3	<0.4

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

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Sample Matrix	STATION	LVW 0.55	LVW 0.55	LVW 5.5	LVW 5.5
Water	SAMPLE DATE	2/11/2004	2/25/2004	2/11/2004	2/25/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL
	LAB NUMBER	2402120063	2402260019	2402120062	2402260018
	SAMPLE NUMBER	LVW 0.55	LVW 0.55	LVW 5.5	LVW 5.5
	TYPE				
	DESCRIPTION				
	REMARKS	Original Data	Original Data	Original Data	Original Data
<b>Inorganics (mg/l): ppm unless noted</b>					
	Ammonia (as N) (TOT)	<0.05	<0.05	0.057	0.069
	Chloride (TOT)			350	360
	Fluoride (TOT)			0.97	0.9
	Nitrate (as N) (L45u)			14	13
	Nitrate/Nitrite (TOT)			14.1	13.1
	Nitrite (L45u)			<0.5	<0.5
	Total Phosphorus-P (TOT)	0.25	0.17		
<b>Inorganics (ug/l): ppm unless noted</b>					
	Perchlorate (L45u)	210	240	92	120
<b>Metals (mg/l): ppm unless noted</b>					
	Boron (TOT)			0.7	0.75
	Iron (TOT)			0.11	0.78
<b>Metals (ug/l): ppm unless noted</b>					
	Chromium (TOT)			<1	1.8
	Copper (TOT)			4.7	4.5
	Manganese (TOT)			47	85
	Molybdenum (TOT)			19	25
<b>Other: ppm unless noted</b>					
	Apparent Color (TOT)			15	15
	Total Dissolved Solids (TOT)			1720	1820
<b>Radiologic (pCi/l): ppm unless noted</b>					
	Gross Alpha (TOT)			<3.1	<4.44
	Ra-226 - soluble (TOT)			<0.3	<0.2
	Ra-228 - soluble (TOT)			<0.4	<0.3

TOT: Total; DIS: Dissolved; TRC: Total Recoverable  
NOTE: Table 1 lists data validation flagging descriptions.



**ANALYSES SUMMARY REPORT**

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Henderson**

Sample Matrix	STATION	LVW 6.05	LVW 6.05	LVW Upgrad	LVW Upgrad	LVW Upgrad
Water	SAMPLE DATE	3/10/2004	3/22/2004	3/10/2004	3/12/2004	3/22/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL	MWL
	LAB NUMBER	2403110050	2403230007	2403120142	2403130020	2403230006
	SAMPLE NUMBER	LVW 6.05	LVW 6.05	'W UPGRADIENT	'W UPGRADIENT	'W UPGRADIENT
	TYPE					
	DESCRIPTION					
	REMARKS	Original Data	Original Data	Original Data	Original Data	Original Data
<b>Inorganics (mg/l): ppm unless noted</b>						
	Ammonia (as N) (TOT)	0.061	<0.05		<0.05	<0.05
	Chloride (TOT)	350	330	340		310
	Fluoride (TOT)	0.94	1.1	1		1.1
	Nitrate (as N) (L45u)	15	15		14	15
	Nitrate/Nitrite (TOT)	15.1	15		14	15
	Nitrite (L45u)	<0.5	<0.5		<0.5	<0.5
<b>Inorganics (ug/l): ppm unless noted</b>						
	Perchlorate (L45u)	94	80	43		42
<b>Metals (mg/l): ppm unless noted</b>						
	Boron (TOT)	0.74	0.7	0.74		0.69
	Iron (TOT)	0.14	0.33	0.25		0.22
<b>Metals (ug/l): ppm unless noted</b>						
	Chromium (TOT)	1.1	1.5	1.2		<1
	Copper (TOT)	4	3.9	3.6		3
	Manganese (TOT)	64	79	61		56
	Molybdenum (TOT)	28	25	27		23
<b>Other: ppm unless noted</b>						
	Apparent Color (TOT)	15	15		20	15
	Total Dissolved Solids (TOT)	1760	1710	1820		1730
<b>Radiologic (pCi/l): ppm unless noted</b>						
	Gross Alpha (TOT)	3.7	3.8	4.3		3.2
	Ra-226 - soluble (TOT)	<0.4	<0.2	<0.3		<0.2
	Ra-228 - soluble (TOT)	<0.4	<0.3	<0.4		<0.3

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

**ANALYSES SUMMARY REPORT**

**C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson**

Sample Matrix	STATION	LVW 0.55	LVW 0.55	LVW 5.5	LVW 5.5	LVW 5.5
Water	SAMPLE DATE	3/10/2004	3/22/2004	3/10/2004	3/12/2004	3/22/2004
	SAMPLE TIME	00:00	00:00	00:00	00:00	00:00
	LAB	MWL	MWL	MWL	MWL	MWL
	LAB NUMBER	2403110051	2403230010	2403120143	2403130021	2403230008
	SAMPLE NUMBER	LVW 0.55	LVW .55	LVW 5.5	LVW 5.5	LVW 5.5
	TYPE					
	DESCRIPTION					
	REMARKS	Original Data	Original Data	Original Data	Original Data	Original Data
<b>Inorganics (mg/l): ppm unless noted</b>						
	Ammonia (as N) (TOT)	<0.05	<0.05		0.063	<0.05
	Chloride (TOT)			340		330
	Fluoride (TOT)			0.94		1.1
	Nitrate (as N) (L45u)				15	15
	Nitrate/Nitrite (TOT)				15.1	15
	Nitrite (L45u)				<0.5	<0.5
	Total Phosphorus-P (TOT)	0.21	0.13			
<b>Inorganics (ug/l): ppm unless noted</b>						
	Perchlorate (L45u)	240	210	89		77
<b>Metals (mg/l): ppm unless noted</b>						
	Boron (TOT)			0.74		0.7
	Iron (TOT)			0.2		0.19
<b>Metals (ug/l): ppm unless noted</b>						
	Chromium (TOT)			1.1		<1
	Copper (TOT)			4		3.1
	Manganese (TOT)			63		61
	Molybdenum (TOT)			27		23
<b>Other: ppm unless noted</b>						
	Apparent Color (TOT)				20	15
	Total Dissolved Solids (TOT)			1790		1710
<b>Radiologic (pCi/l): ppm unless noted</b>						
	Gross Alpha (TOT)			<3		5.5
	Ra-226 - soluble (TOT)			<0.3		<0.2
	Ra-228 - soluble (TOT)			<0.4		<0.3

TOT: Total; DIS: Dissolved; TRC: Total Recoverable  
NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

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Henderson

Sample Matrix	STATION	IX Effluen	IX Influen
Water	SAMPLE DATE	1/28/2004	1/28/2004
	SAMPLE TIME	00:00	00:00
	LAB	MWL	MWL
	LAB NUMBER	2401290026	2401290025
	SAMPLE NUMBER	IX EFFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port
	DESCRIPTION		
	REMARKS	Original Data	Original Data

**Dioxins and Furans (ug/l): ppm unless noted**

Tetrahydrofuran (TOT)	<10	<10
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**Herbicides (ug/l): ppm unless noted**

2,4,5-T (TOT)	<0.4	<0.4
2,4,5-TP (Silvex) (TOT)	<0.4	<0.4
2,4-D (TOT)	<0.4	<0.4
2,4-DB (TOT)	<0.4	<0.4
Dalapon (TOT)	<0.4	<0.4
Dicamba (TOT)	<0.4	<0.4
Dichlorprop (TOT)	<0.4	<0.4
Dinoseb (TOT)	<0.4	<0.4

**Hydrocarbon (mg/l): ppm unless noted**

Oil and grease (TOT)	<5	<5
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**Inorganics (%): ppm unless noted**

Percent Unionized Ammonia 25C (TOT)	1.1	1.1
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**Inorganics (mg/l): ppm unless noted**

sulfide (TOT)	<0.1	<0.1
Ammonia (as N) (TOT)	<0.05	0.059
Biochemical oxygen demand (TOT)	<3	<3
Chemical oxygen demand (TOT)	<10	13
Chloride (TOT)	1700	1300
Total Kjeldahl Nitrogen (TOT)	0.39	0.27
Nitrate (as N) (L45u)	11	5.6
Nitrate/Nitrite (TOT)	11	5.66
Nitrite (L45u)	<4	<4
Total Phosphorus-P (TOT)	0.04	0.05
Sulfate (TOT)	1800	1300

**Inorganics (ug/l): ppm unless noted**

Chlorate (L45u)	100000	38000
Perchlorate (L45u)	200	26000

**Metals (mg/l): ppm unless noted**

Boron (TOT)	3.1	2
Iron (TOT)	<0.02	<0.1
Magnesium (TOT)	170	130
Potassium (TOT)	27	30
Sodium (TOT)	1200	1000
Strontium (TOT)	10	6.9

**Metals (ug/l): ppm unless noted**

Arsenic III (TOT)	39	52
Antimony (TOT)	<5	<5
Arsenic (TOT)	90	110
Barium (TOT)	22	23

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

Attachment A

**ANALYSES SUMMARY REPORT**

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**Henderson**

Beryllium (TOT)	<5	<5
Cadmium (TOT)	<2.5	<2.5
Chromium (TOT)	<5	<5

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

**NOTE: Table 1 lists data validation flagging descriptions.**

ANALYSES SUMMARY REPORT

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Henderson

Sample Matrix	STATION	IX Effluen	IX Influen
Water	SAMPLE DATE	1/28/2004	1/28/2004
	SAMPLE TIME	00:00	00:00
	LAB	MWL	MWL
	LAB NUMBER	2401290026	2401290025
	SAMPLE NUMBER	IX EFFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port
	DESCRIPTION		
	REMARKS	Original Data	Original Data

**Metals (ug/l): ppm unless noted**

Chromium-hexavalent (L45u)	1.5	<0.1
Copper (TOT)	<10	<10
Lead (TOT)	<2.5	<2.5
Manganese (TOT)	430	950
Mercury (TOT)	<0.2	<0.2
Molybdenum (TOT)	78	66
Nickel (TOT)	34	30
Selenium (TOT)	<25	<25
Thallium (TOT)	<5	<5
Vanadium (TOT)	63	72
Zinc (TOT)	<25	<25

**Other: ppm unless noted**

1,2-Diphenylhydrazine (TOT)	<10	<20
Apparent Color (TOT)	3	10
bis(2-ethylhexyl)adipate (TOT)	<0.6	<0.6
Molinate (TOT)	<0.2	<0.2
Surfactants (TOT)	0.106	2.03
Thiobencarb (TOT)	<0.2	<0.2
Laboratory pH (TOT)	7.3	7.3
Total Dissolved Solids (TOT)	5540	4620
Total Organic Carbon (TOT)	1.2	2.6
Total Suspended Solids (TOT)	<10	<10

**PCBs (ug/l): ppm unless noted**

Aroclor-1016 (TOT)	<0.5	<0.5
Aroclor-1221 (TOT)	<0.5	<0.5
Aroclor-1232 (TOT)	<0.5	<0.5
Aroclor-1242 (TOT)	<0.5	<0.5
Aroclor-1248 (TOT)	<0.5	<0.5
Aroclor-1254 (TOT)	<0.5	<0.5
Aroclor-1260 (TOT)	<0.5	<0.5

**Pesticides (ug/l): ppm unless noted**

Mirex (TOT)	<0.05	<0.05
Simazine (TOT)	<0.05	<0.05
4,4-DDD (TOT)	<0.02	<0.02
4,4-DDE (TOT)	<0.02	<0.02
4,4-DDT (TOT)	<0.02	<0.02
Aldrin (TOT)	<0.02	<0.02
Alpha-BHC (TOT)	<0.02	<0.02
Beta-BHC (TOT)	<0.02	<0.02
Delta-BHC (TOT)	<0.02	<0.02

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

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Henderson

Sample Matrix	STATION	IX Effluen	IX Influen
Water	SAMPLE DATE	1/28/2004	1/28/2004
	SAMPLE TIME	00:00	00:00
	LAB	MWL	MWL
	LAB NUMBER	2401290026	2401290025
	SAMPLE NUMBER	IX EFFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port
	DESCRIPTION		
	REMARKS	Original Data	Original Data

**Pesticides (ug/l): ppm unless noted**

Dieldrin (TOT)	<0.02	<0.02
Endosulfan I (TOT)	<0.02	<0.02
Endosulfan II (TOT)	<0.02	<0.02
Endosulfan Sulfate (TOT)	<0.02	<0.02
Endrin (TOT)	<0.01	<0.01
Endrin Aldehyde (TOT)	<0.02	<0.02
Endrin Ketone (TOT)	<0.5	<0.5
Gamma-BHC (Lindane) (TOT)	<0.02	<0.02
Heptachlor (TOT)	<0.01	<0.01
Heptachlor Epoxide (TOT)	<0.01	<0.01
Methoxychlor (TOT)	<0.2	<0.2
Tech-Chlordane (TOT)	<0.2	<0.2
Toxaphene (TOT)	<0.5	<0.5

**Radiologic (pCi/l): ppm unless noted**

Gross Alpha (TOT)	28	<10.5
Ra-226 - soluble (TOT)	<0.4	0.2
Ra-228 - soluble (TOT)	<0.3	<0.3

**SVOAs (ug/l): ppm unless noted**

2,4,5-Trichlorophenol (TOT)	<5	<10
2,4,6-Trichlorophenol (TOT)	<5	<10
2,4-Dichlorophenol (TOT)	<5	<10
2,4-Dimethylphenol (TOT)	<5	<10
2,4-Dinitrophenol (TOT)	<50	<100
2,4-Dinitrotoluene (TOT)	<5	<10
2,6-Dinitrotoluene (TOT)	<5	<10
2-Chloronaphthalene (TOT)	<5	<10
2-Chlorophenol (TOT)	<5	<10
2-Methylnaphthalene (TOT)	<5	<10
2-Methylphenol (TOT)	<5	<10
2-Nitroaniline (TOT)	<10	<20
2-Nitrophenol (TOT)	<5	<10
3,3-Dichlorobenzidine (TOT)	<50	<100
3-Nitroaniline (TOT)	<20	<40
4,6-Dinitro-2-methylphenol (TOT)	<50	<100
4-Bromophenyl-phenylether (TOT)	<5	<10
4-Chloroaniline (TOT)	<5	<10
4-Chlorophenyl-phenylether (TOT)	<5	<10
4-Methylphenol (TOT)	<5	<10
4-Nitroaniline (TOT)	<20	<40

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

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Henderson

Sample Matrix	STATION	IX Effluen	IX Influen
Water	SAMPLE DATE	1/28/2004	1/28/2004
	SAMPLE TIME	00:00	00:00
	LAB	MWL	MWL
	LAB NUMBER	2401290026	2401290025
	SAMPLE NUMBER	IX EFFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port
	DESCRIPTION		
	REMARKS	Original Data	Original Data

SVOAs (ug/l): ppm unless noted

4-Nitrophenol (TOT)	<10	<20
Acenaphthene (TOT)	<5	<10
Acenaphthylene (TOT)	<5	<10
Aniline (TOT)	<5	<10
Anthracene (TOT)	<5	<10
Atrazine (TOT)	<0.05	<0.05
Benzo(a)anthracene (TOT)	<5	<10
Benzdine (TOT)	<50	<100
Benzo(a)pyrene (TOT)	<0.02	<0.02
Benzo(b)fluoranthene (TOT)	<5	<10
Benzo(g,h,i)perylene (TOT)	<10	<20
Benzo(k)fluoranthene (TOT)	<5	<10
Benzoic acid (TOT)	<50	<100
Benzyl alcohol (TOT)	<5	<10
bis(2-Chloroethoxy)methane (TOT)	<10	<20
bis(2-Chloroethyl)ether (TOT)	<10	<20
bis(2-Chloroisopropyl)ether (TOT)	<10	<20
bis(2-Ethylhexyl)phthalate (TOT)	0.63	<0.6
Butyl benzyl phthalate (TOT)	<5	<10
Chrysene (TOT)	<5	<10
Di-N-Butyl phthalate (TOT)	<10	<20
Di-N-Octyl phthalate (TOT)	<10	<20
Dibenz(a,h)anthracene (TOT)	<10	<20
Dibenzofuran (TOT)	<5	<10
Diethyl phthalate (TOT)	<5	<10
Dimethyl phthalate (TOT)	<5	<10
Fluoranthene (TOT)	<5	<10
Fluorene (TOT)	<5	<10
Hexachlorobenzene (TOT)	<0.05	<0.05
Hexachlorobutadiene (TOT)	<10	<20
Hexachlorocyclopentadiene (TOT)	<0.05	<0.05
Hexachloroethane (TOT)	<5	<10
Indeno(1,2,3-cd)pyrene (TOT)	<10	<20
Isophorone (TOT)	<5	<10
N-Nitroso-di-N-propylamine (TOT)	<5	<10
N-Nitrosodimethylamine (TOT)	<5	<10
N-Nitrosodiphenylamine (TOT)	<5	<10

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson

Sample Matrix	STATION	IX Effluent	IX Influent
Water	SAMPLE DATE	1/28/2004	1/28/2004
	SAMPLE TIME	00:00	00:00
	LAB	MWL	MWL
	LAB NUMBER	2401290026	2401290025
	SAMPLE NUMBER	IX EFFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port
	DESCRIPTION		
	REMARKS	Original Data	Original Data

SVOAs (ug/l): ppm unless noted

Naphthalene (TOT)	<5	<10
Nitrobenzene (TOT)	<5	<10
p-Chloro-m-cresol (TOT)	<5	<10
Pentachlorophenol (TOT)	<20	<40
Phenanthrene (TOT)	<5	<10
Phenol (TOT)	<5	<10
Pyrene (TOT)	<5	<10

VOAs (ug/l): ppm unless noted

1,2,4-Trichlorobenzene (TOT)	<5	<10
1,2-Dichlorobenzene (TOT)	<5	<10
1,3-Dichlorobenzene (TOT)	<5	<10
1,4-Dichlorobenzene (TOT)	<5	<10
1,1,1-Trichloroethane (TOT)	<0.5	<0.5
1,1,2,2-Tetrachloroethane (TOT)	<0.5	<0.5
1,1,2-Trichloroethane (TOT)	<0.5	<0.5
1,1-Dichloroethane (TOT)	4.4	4.1
1,1-Dichloroethene (TOT)	<0.5	<0.5
1,2-Dichloroethane (TOT)	<0.5	<0.5
1,2-Dichloropropane (TOT)	<0.5	<0.5
2-Hexanone (TOT)	<10	<10
4-Methyl-2-pentanone (TOT)	<10	<10
Acetone (TOT)	<10	<10
Acrolein (TOT)	<50	<50
Acrylonitrile (TOT)	<50	<50
Benzene (TOT)	<0.5	<0.5
Bromodichloromethane (TOT)	<0.5	<0.5
Bromoform (TOT)	<0.5	<0.5
Bromomethane (TOT)	<0.5	<0.5
Carbon disulfide (TOT)	<0.5	<0.5
Carbon tetrachloride (TOT)	<0.5	<0.5
Chlorobenzene (TOT)	<0.5	<0.5
Chloroethane (TOT)	<0.5	<0.5
Chloroform (TOT)	28	<0.5
Chloromethane (TOT)	<0.5	<0.5
cis-1,2-Dichloroethene (TOT)	<0.5	<0.5
cis-1,3-Dichloropropene (TOT)	<0.5	<0.5
Dibromochloromethane (TOT)	<0.5	<0.5
Dichlorodifluoromethane (TOT)	<0.5	<0.5

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.



ANALYSES SUMMARY REPORT

C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson

Sample Matrix	STATION	IX Effluen	IX Influen
Water	SAMPLE DATE	1/28/2004	1/28/2004
	SAMPLE TIME	00:00	00:00
	LAB	MWL	MWL
	LAB NUMBER	2401290026	2401290025
	SAMPLE NUMBER	IX EFFLUENT	IX INFLUENT
	TYPE	Sampling port	Sampling port
	DESCRIPTION		
	REMARKS	Original Data	Original Data

VOAs (ug/l): ppm unless noted

Ethylbenzene (TOT)	<0.5	<0.5
m,p-Xylene (TOT)	<0.5	<0.5
Methyl ethyl ketone (TOT)	<10	<10
Methylene chloride (TOT)	<3	<3
o-Xylene (TOT)	<0.5	<0.5
Styrene (TOT)	<0.5	<0.5
Tetrachloroethene (TOT)	0.5	0.6
Toluene (TOT)	<0.5	<0.5
trans-1,2-Dichloroethylene (TOT)	<0.5	<0.5
trans-1,3-Dichloropropene (TOT)	<0.5	<0.5
Trichloroethene (TOT)	1.2	1
Trichlorofluoromethane (TOT)	<0.5	<0.5
Vinylacetate (TOT)	<10	<10
Vinylchloride (TOT)	<0.5	<0.5

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

## **ATTACHMENT 3**

### **Supporting Analytical Reports**

ANALYSES SUMMARY REPORT

C:\Documents and Settings\zsmc1\My Documents\Access Database\EnviroData Subsets\HendSubset042604.  
Henderson

Sample Matrix	STATION	M10
Water	SAMPLE DATE	2/3/2004
	SAMPLE TIME	00:00
	LAB	MWL
	LAB NUMBER	2402040258
	SAMPLE NUMBER	M-10
	TYPE	Monitoring well
	DESCRIPTION	
	REMARKS	Original Data

**Inorganics (ug/l): ppm unless noted**

---

Perchlorate (TOT)	18000
-------------------	-------

**Metals (mg/l): ppm unless noted**

---

Chromium (TOT)	0.48
----------------	------

**Other: ppm unless noted**

---

Laboratory conductivity (TOT)	4140
Laboratory pH (TOT)	7.1
Total Dissolved Solids (TOT)	3360

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.



**KERR-McGEE CHEMICAL LLC**

POST OFFICE BOX 55 - HENDERSON, NEVADA 89009

January 28, 2004  
RECEIVED  
FEB -2 AM 10:22  
DOMINIQUE  
LAS VEGAS

Compliance Coordinator  
State of Nevada  
Division of Environmental Protection  
Bureau of Water Permits & Compliance  
333 W. Nye Lane  
Carson City, Nevada 89710

Dear Gentlemen:

SUBJECT: Discharge Monitoring Report (DMR)  
Fourth Quarter 2003 - NPDES Permit NV 0023060

Kerr-McGee Chemical LLC, Kerr-McGee, maintains an NPDES Permit #0023060 for discharge of water treated, as part of their on-going effort to remediate perchlorate in the Henderson area. The attached DMRs (Attachment 1) reflect information associated with the perchlorate remediation efforts, i.e. discharge of treated surface water near the Las Vegas Wash. Supporting analytical sheets, including summary analytical tables, are included as well (Attachment 2). Please note that analyses of "Attachment A" analytes, for the treated discharge, indicate that there is no significant increase in "other constituents" due to the ion exchange (IX) treatment. This was expected due to the focused nature of ion exchange, IX, based perchlorate removal process. This treatment technology is based upon single use selective resin which is specific for perchlorate, and as expected, did not give appreciably different "other constituent" loading in the discharge compared to the intake.

Listed separately are analytical results for four Las Vegas Wash locations, which require analyses to evaluate the mixing zone (Attachment 3) as well as the upgradient on-site groundwater well (Attachment 3).

As we previously informed NDEP representatives in the third quarter 2003 DMR, concentrations of hexavalent chromium increased in the Athens Road recovery wells. Laboratory testing successfully demonstrated technology for reducing the chromium levels. In October 2003, Jon Palm (NDEP) gave approval for full scale testing of the process on the Athens Road groundwater. The full scale testing was successful, as well, and the treatment system is now functioning, reducing hexavalent chromium concentrations in the influent to the perchlorate remediation process.

Should you have any questions concerning this report, please contact me at (702) 651-2234. Thank you.

Sincerely,

Susan M. Crowley  
Staff Environmental Specialist

By overnight mail

cc: LKBailey  
J Dixon, w/o analytical attachment  
FRStater, w/o analytical attachment  
R Waters, w/o analytical attachment  
Todd Croft, NDEP (Las Vegas)  
Terry Maize, NDEP w/o analytical attachment  
Jim Najima, NDEP w/o analytical attachment  
Brian Rakvica, NDEP, w/o analytical attachment  
Doug Zimmerman, NDEP, w/o analytical attachment  
Mike Goff, SNWA

smc/2003 3rd Q NPDES NV 0023060 - Cvr Ltr.doc

RECEIVED

2011 FEB -2 AM 10: 22

DCI/RA/DEP  
LAS VEGAS

**ATTACHMENT 1**

**Discharge Monitoring  
Reports (DMR)**


PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 03 10 01 TO 03 10 31 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	SAMPLE MEASUREMENT	1.51	MGD				0	Cont	Flow Meter
	PERMIT REQUIREMENT	1.22 MGD Maximum							
Perchlorate (IX)	SAMPLE MEASUREMENT			99	98	1.26	0	Weekly	Comp
	PERMIT REQUIREMENT			97% Removal of effluent	3 ppm in effluent	Monitor & Report			
BOD <sub>5</sub> (Inhibited)	SAMPLE MEASUREMENT			ND	ND		0	Weekly	Discrete
	PERMIT REQUIREMENT			25 mg/l Maximum	45 mg/l Maximum				
Effluent Gross Value	SAMPLE MEASUREMENT			7.3	7.6		0	Weekly	Discrete
	PERMIT REQUIREMENT			6.5 Minimum	9.0 Maximum				
pH	SAMPLE MEASUREMENT			ND	ND		0	Weekly	Discrete
	PERMIT REQUIREMENT								
Iron, Total	SAMPLE MEASUREMENT			ND	ND		0	Weekly	Discrete
	PERMIT REQUIREMENT			10 mg/l	Monitor & Report				
Effluent	SAMPLE MEASUREMENT			0.32	0.35		0	Weekly	Discrete
	PERMIT REQUIREMENT			5 mg/l	Monitor & Report				
Manganese	SAMPLE MEASUREMENT			2.8	2.9		0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report				
Boron	SAMPLE MEASUREMENT			Monitor & Report	Monitor & Report		0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report				
NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 									
TELEPHONE							DATE		
702-651-2200							04   01   28		
AREA CODE NUMBER							YEAR MO DAY		
702-651-2200							04 01 28		

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

Form by WindowChem(707)864-0845;pm1106076.01/4/196

PERMITTEE NAME/ADDRESS:  
**KERR-MCGEE CHEMICAL CORP.**  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

**FACILITY: KERR-MCGEE CHEMICAL CORP.**  
**LOCATION: Henderson, NV**  
**Attn: Susan Crowley**

**MONITORING PERIOD**

FROM **03 10 01** TO **03 10 31**

**NO DISCHARGE**

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT	
	SAMPLE MEASUREMENT	SAMPLE MEASUREMENT									
<b>Total Phosphorus, as P</b>	---	---		0.03	0.06	---	mg/l	0	Weekly	Discrete	
<b>Influent</b>	---	---		Monitor & Report							
<b>Total Phosphorus, as P</b>	---	---		0.03	0.04	0.06	mg/l	0	Weekly	Discrete	
<b>Effluent</b>	---	---		Monitor & Report							
<b>Total Inorganic Nitrogen, as N</b>	---	---		11.6	13.9	---	mg/l	0	Weekly	Discrete	
<b>Influent</b>	---	---		Monitor & Report							
<b>Total Inorganic Nitrogen, as N</b>	---	---		10.3	13.0	---	mg/l	0	Weekly	Discrete	
<b>Effluent</b>	---	---		Monitor & Report							
<b>Nitrate, as N</b>	---	---		11.6	13.9	---	mg/l	0	Weekly	Discrete	
<b>Effluent</b>	---	---		Monitor & Report							
<b>Ammonia, as N</b>	---	---		ND	ND	0.00	mg/l	0	Weekly	Discrete	
<b>Effluent</b>	---	---		Monitor and Report							
<b>Attachment A</b>	---	---		Please see attached results							
<b>Effluent</b>	---	---		Monitor & Report							
<b>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER</b>							TELEPHONE	DATE			
Susan Crowley											
<b>Staff Environmental Specialist</b>							702-651-2200	04   01   28			
<b>TYPED OR PRINTED</b>							AREA CODE NUMBER	YEAR	MO	DAY	
OFFICER OR AUTHORIZED AGENT											

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL CORP.**  
**ADDRESS: PO BOX 55**  
**HENDERSON, NV 89009-7000**

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

**FACILITY: KERR-McGEE CHEMICAL CORP.**  
**LOCATION: Henderson, NV**  
**Attn: Susan Crowley**

MONITORING PERIOD  
 FROM **03 10 01** TO **03 10 31** **NO DISCHARGE**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Unionized Ammonia, as N	SAMPLE MEASUREMENT	---	---	1.5	1.8	---	0	Weekly	Calc
	PERMIT REQUIREMENT	---	---	Monitor & Report	---	---			
Unionized Ammonia, as N	SAMPLE MEASUREMENT	---	---	1.3	2.2	---	0	Weekly	Calc
	PERMIT REQUIREMENT	---	---	Monitor & Report	---	---			
Hexavalent Chromium	SAMPLE MEASUREMENT	---	---	0.024	0.032	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	---	---			
Hexavalent Chromium	SAMPLE MEASUREMENT	---	---	0.032	0.046	---	4	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	0.01 mg/l	---			
Total Chromium	SAMPLE MEASUREMENT	---	---	0.028	0.037	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	---	---			
Total Chromium	SAMPLE MEASUREMENT	---	---	0.030	0.035	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	0.10 mg/l	---			
Total Suspended Solids	SAMPLE MEASUREMENT	---	---	ND	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	135 mg/l	Monitor & Report	---			
NAME / TITLE: <b>PRINCIPAL EXECUTIVE OFFICER</b> <b>Susan Crowley</b> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: <i>Susan Crowley</i> TELEPHONE: <b>702-651-2200</b> DATE: <b>04   01   28</b>									
COMMENT AND EXPLANATION OF ANY VIOLATIONS: <b>Staff Environmental Specialist</b> TYPED OR PRINTED: <b>OFFICER OR AUTHORIZED AGENT</b> AREA CODE NUMBER: <b>702-651-2200</b> YEAR: <b>04</b> MO: <b>01</b> DAY: <b>28</b>									

PERMITEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL CORP.**  
**PO BOX 55**  
**HENDERSON, NV 89009-7000**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

PERMIT NUMBER  
**NV 0023060**

DISCHARGE NUMBER  
**001**

FACILITY: **Kerr-McGee Chemical Corp**  
 LOCATION: **Henderson, NV**  
 Attn: **Susan Crowley**

**MONITORING PERIOD**

FROM **03 | 10 | 01** TO **03 | 10 | 31**

**NO DISCHARGE**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Color	SAMPLE MEASUREMENT	---		12	12	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Influent	SAMPLE MEASUREMENT	---		4	5	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Total Dissolved Solids	SAMPLE MEASUREMENT	---		5,994	6,520	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Influent	SAMPLE MEASUREMENT	---		5,756	5,840	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Sulfide	SAMPLE MEASUREMENT	---		ND	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Influent	SAMPLE MEASUREMENT	---		ND	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Sulfide	SAMPLE MEASUREMENT	---		ND	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Effluent	SAMPLE MEASUREMENT	---		7.17	7.37	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Dissolved Oxygen	SAMPLE MEASUREMENT	---		7.17	7.37	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
Effluent	SAMPLE MEASUREMENT	---		7.17	7.37	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	---	---			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE						DATE	
Susan Crowley		702-651-2200						04   01   28	
Staff Environmental Specialist		SIGNATURE OF PRINCIPAL EXECUTIVE						AREA CODE NUMBER	
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT						YEAR MO DAY	

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 | 10 | 01 TO 03 | 10 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Oil & Grease	MEASUREMENT	---	---		ND	ND	mg/l	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	---	---		Monitor & Report	---					
Oil & Grease	MEASUREMENT	---	---		ND	ND	mg/l	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	---	---		Monitor & Report	---					
TKN (as N)	MEASUREMENT	---	---		0.09	0.35	mg/l	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	---	---		Monitor & Report	---					
TKN (as N)	MEASUREMENT	---	---		0.38	0.62	mg/l	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	---	---		Monitor & Report	---					
Chloride	MEASUREMENT	---	---		2,044	2,250	mg/l	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	---	---		Monitor & Report	---					
Chloride	MEASUREMENT	---	---		2,020	2,200	mg/l	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	---	---		Monitor & Report	---					
Chlorate	MEASUREMENT	---	---		122	150	mg/l	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	---	---		Monitor & Report	---					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED										TELEPHONE 702-651-2200 AREA CODE NUMBER 702-651-2200	DATE 04   01   28 YEAR MO DAY

*Susan Crowley*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL CORP.**  
**NAME: KERR-McGEE CHEMICAL CORP.**  
**ADDRESS: PO BOX 55**  
**HENDERSON, NV 89009-7000**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**  
**NV 0023060**  
**PERMIT NUMBER**  
**001**  
**DISCHARGE NUMBER**

**FACILITY: Kerr-McGee Chemical Corp**  
**LOCATION: Henderson, NV**  
**Attn: Susan Crowley**

**MONITORING PERIOD**  
**FROM 03 | 10 | 01 TO 03 | 10 | 31**  
**NO DISCHARGE**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Chlorate	SAMPLE MEASUREMENT	---		110	125	---	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
Effluent	SAMPLE MEASUREMENT	---		0.2	1	---	pCi/l	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
Gross Alpha	SAMPLE MEASUREMENT	---		23	39	---	pCi/l	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
BOD <sub>5</sub> (inhibited)	SAMPLE MEASUREMENT	---		ND	ND	---	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	---		25 mg/l MAXIMUM	45 mg/l MAXIMUM	---			
Influent Gross Value	SAMPLE MEASUREMENT	---		---	---	---			
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
	SAMPLE MEASUREMENT	---		---	---	---			
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
	SAMPLE MEASUREMENT	---		---	---	---			
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE						DATE	
Susan Crowley								702-651-2200	
Staff Environmental Specialist		SIGNATURE OF PRINCIPAL EXECUTIVE						04   01   28	
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT						AREA CODE NUMBER	
								YEAR MO DAY	

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSIST THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

Forms by WinbowChem(707)884-0845;pm111060;v6.01;4/1/98

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

MONITORING PERIOD  
 FROM 03 11 01 TO 03 11 30  
 NO DISCHARGE

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT			
Flow	1.22	1.22					0	Cont	Flow Meter
Effluent	1.22 MGD Maximum	1.4 MGD Maximum							
Perchlorate (IX)			99	99	0.53	%	0	Weekly	Comp
% Removal			97% Removal or 3 ppm in effluent						
BOD <sub>5</sub> (inhibited)			ND	ND		mg/l	0	Weekly	Discrete
Effluent Gross Value			25 mg/l Maximum	45 mg/l Maximum					
pH			7.3	7.4		SU	0	Weekly	Discrete
Effluent			6.5 Minimum	9.0 Maximum					
Iron, Total			0.01	0.06		mg/l	0	Weekly	Discrete
Effluent			10 mg/l	Monitor & Report					
Manganese			0.33	0.35		mg/l	0	Weekly	Discrete
Effluent			5 mg/l	Monitor & Report					
Boron			2.8	2.9		mg/l	0	Weekly	Discrete
Effluent			Monitor & Report	Monitor & Report					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE	
Susan Crowley									
Staff Environmental Specialist							702-651-2200	04   01   26	
TYPED OR PRINTED							AREA CODE NUMBER	YEAR MO DAY	

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 The discharge composite sample for the week of 11/15/03 was compromised and the grab sample taken that week was used to indicate destruction performance.

(Reference all attachments here)

00044/961223-1801

Form by WindowsChem/707984-0645.pml 106/25.01/4/196

PAGE 1 OF 6

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL CORP.  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 11 01 TO 03 11 30  
 NO DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	QUALITY OR LOADING	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	MEASUREMENT		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Total Phosphorus, as P	SAMPLE MEASUREMENT	---	---	---	0.040	0.050	---	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report			---	---	---	---	
Total Phosphorus, as P	SAMPLE MEASUREMENT	---	---	---	0.040	0.060	0.06	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report			20 lb/d	---	---	---	
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	---	---	---	14.2	18.2	---	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report			---	---	---	---	
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	---	---	---	12.0	16.0	---	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report			---	---	---	---	
Nitrate, as N	SAMPLE MEASUREMENT	---	---	---	12.0	16.0	---	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report			---	---	---	---	
Ammonia, as N	SAMPLE MEASUREMENT	---	---	---	ND	ND	0.00	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor and Report			40 lb/d	---	---	---	
Attachment A	SAMPLE MEASUREMENT	---	---	---	Please see attached results			---	0	Quart	Discrete	
	PERMIT REQUIREMENT	---	---	---	Monitor & Report			---	---	---	---	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE			DATE							
Susan Crowley												
Staff Environmental Specialist		SIGNATURE OF PRINCIPAL EXECUTIVE			702-651-2200			04   01   28				
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT			AREA CODE NUMBER			YEAR MO DAY				
								Form by WindowChem(707)864-0845;pan11060;v5.01;4/7/86				

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL CORP.  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 11 01 TO 03 11 30 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Unionized Ammonia, as N Influent	SAMPLE MEASUREMENT	---	---	---	1.3	---	0	Weekly	Calc
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---			
Unionized Ammonia, as N Effluent	SAMPLE MEASUREMENT	---	---	---	1.2	---	0	Weekly	Calc
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---			
Hexavalent Chromium Influent	SAMPLE MEASUREMENT	---	---	---	0.007	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---			
Hexavalent Chromium Effluent	SAMPLE MEASUREMENT	---	---	---	0.006	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---			
Total Chromium Influent	SAMPLE MEASUREMENT	---	---	---	0.003	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---			
Total Chromium Effluent	SAMPLE MEASUREMENT	---	---	---	0.001	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---			
Total Suspended Solids Effluent	SAMPLE MEASUREMENT	---	---	---	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	135 mg/l	---			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED									
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER <i>Susan Crowley</i>							TELEPHONE 702-651-2200		DATE 04   01   28
OFFICER OR AUTHORIZED AGENT							AREA CODE NUMBER 702-651-2200		YEAR MO DAY 04   01   28

Form by WindowChem(707)864-0845;pm110800-06.01/41786


PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 | 11 | 01 TO 03 | 11 | 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Color	SAMPLE MEASUREMENT	---	---	---	10	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Influent	SAMPLE MEASUREMENT	---	---	---	4	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Total Dissolved Solids	SAMPLE MEASUREMENT	---	---	---	5,963	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Influent	SAMPLE MEASUREMENT	---	---	---	5,795	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Total Dissolved Solids	SAMPLE MEASUREMENT	---	---	---	ND	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Influent	SAMPLE MEASUREMENT	---	---	---	ND	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Sulfide	SAMPLE MEASUREMENT	---	---	---	ND	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Influent	SAMPLE MEASUREMENT	---	---	---	ND	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Sulfide	SAMPLE MEASUREMENT	---	---	---	7.12	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Dissolved Oxygen	SAMPLE MEASUREMENT	---	---	---	7.79	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
Effluent	SAMPLE MEASUREMENT	---	---	---	---	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	0		
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 									
Staff Environmental Specialist TYPED OR PRINTED TELEPHONE: 702-651-2200 AREA CODE NUMBER: 702-651-2200 DATE: 04   01   28 YEAR MO DAY									

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS



PERMITTEE NAME/ADDRESS: NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 11 01 TO 03 11 30

NO DISCHARGE  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Oil & Grease Influent	SAMPLE MEASUREMENT	---		ND	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
Oil & Grease Effluent	SAMPLE MEASUREMENT	---		ND	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
TKN (as N) Influent	SAMPLE MEASUREMENT	---		0.08	0.30	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
TKN (as N) Effluent	SAMPLE MEASUREMENT	---		0.29	0.31	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
Chloride Influent	SAMPLE MEASUREMENT	---		1,906	2,125	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
Chloride Effluent	SAMPLE MEASUREMENT	---		1,825	1,900	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
Chlorate Influent	SAMPLE MEASUREMENT	---		112	138	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE				DATE		
Susan Crowley							702-651-2200		
Staff Environmental Specialist			SIGNATURE OF PRINCIPAL EXECUTIVE				04   01   28		
TYPED OR PRINTED			OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER		
							702-651-2200		
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)				YEAR MO DAY		
							04 01 28		

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO FACILITATE THE COLLECTION, EVALUATION, AND EVALUATION OF THE INFORMATION SUBMITTED TO FACTORY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THESE PERSONS AND ARE BEING TRULY, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Form by WindowChem/07/964-0945.ph1/0807v6.01.4/1/96

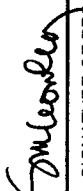
PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 | 11 | 01 TO 03 | 11 | 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Chlorate	SAMPLE MEASUREMENT	---		115	120	---	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---				
Radium 226 + 228	SAMPLE MEASUREMENT	---		0.225	0.900	---	pCi/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---				
Gross Alpha	SAMPLE MEASUREMENT	---		23.0	30.0	---	pCi/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---				
BOD <sub>5</sub> (inhibited)	SAMPLE MEASUREMENT	---		ND	ND	---	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	---		25 mg/l MAXIMUM	45 mg/l MAXIMUM	---				
Influent Gross Value	SAMPLE MEASUREMENT	---		Monitor & Report	Monitor & Report	---				
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---				
	SAMPLE MEASUREMENT	---		Monitor & Report	Monitor & Report	---				
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---				
	SAMPLE MEASUREMENT	---		Monitor & Report	Monitor & Report	---				
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	SAMPLE MEASUREMENT	---		Monitor & Report	Monitor & Report	---				
	PERMIT REQUIREMENT	---		Monitor & Report	Monitor & Report	---				
Susan Crowley			TELEPHONE				DATE			
Staff Environmental Specialist			702-651-2200				04   01   28			
TYPED OR PRINTED			AREA CODE NUMBER				YEAR MO DAY			
			702-651-2200				04   01   28			
COMMENT AND EXPLANATION OF ANY VIOLATIONS			OFFICER OR AUTHORIZED AGENT				Form by WindowChem(707)864-0645.ppt 10860-01/14/16			
			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							
			 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							

(Reference all attachments here)

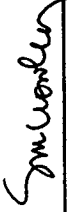
PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060 PERMIT NUMBER  
 001 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 03 | 12 | 01 TO 03 | 12 | 31

NO DISCHARGE  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Flow	1.22	1.22	MGD				0	Cont	Flow Meter	
Effluent	1.22 MGD Maximum	1.4 MGD Maximum								
Perchlorate (IX)				99	99	0.11	0	Weekly	Comp	
% Removal				97% Removal of 3 ppm in effluent						
BOD <sub>5</sub> (inhibited)				ND	ND		0	Weekly	Discrete	
Effluent Gross Value				25 mg/l Maximum	45 mg/l Maximum					
pH				7.3	7.4		0	Weekly	Discrete	
Effluent				6.5 Minimum	9.0 Maximum					
Iron, Total				ND	ND		0	Weekly	Discrete	
Effluent				10 mg/l	Monitor & Report					
Manganese				0.30	0.32		0	Weekly	Discrete	
Effluent				5 mg/l	Monitor & Report					
Boron				2.9	2.9		0	Weekly	Discrete	
Effluent				Monitor & Report	Monitor & Report					
CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INSPECTION OF THE FACILITY, THE INFORMATION SUBMITTED IS TRUE, CORRECT AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT POTENTIAL FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		Susan Crowley						TELEPHONE		
Staff Environmental Specialist		TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			DATE		
							702-651-2200		04   01   28	
							AREA CODE NUMBER		YEAR MO DAY	
<small>Form by WindowChem707384-0645.ppt110807.01.41708</small>										

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 Analytical information for the last week in December has not been received as of 1/28/04. This DMR was completed with information available and will be amended as complete information is available.

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL CORP.  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL CORP.  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD

FROM 03 | 12 | 01 TO 03 | 12 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)			
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	-----		0.02	0.05	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report				
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	-----		0.03	0.04	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report				
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	-----		18	23	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report				
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	-----		14	17	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report				
Nitrate, as N Effluent	SAMPLE MEASUREMENT	-----		14	17	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report				
Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----		ND	ND	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor and Report				
Attachment A Effluent	SAMPLE MEASUREMENT	-----		Please see attached results		0	Quart	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			DATE		
Susan Crowley								
Staff Environmental Specialist			702-651-2200			04   01   28		
TYPED OR PRINTED			OFFICER OR AUTHORIZED AGENT			AREA CODE NUMBER		
						800-441-1801		

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 Please see note on page 1.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

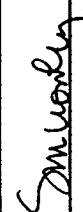
FACILITY: KERR-McGEE CHEMICAL CORP.  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD

FROM 03 | 12 | 01 TO 03 | 12 | 31

NO DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Unionized Ammonia, as N	---	---	---	1.3	1.4	---	0	Weekly	Calc
Influent	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Unionized Ammonia, as N	---	---	---	1.2	1.4	---	0	Weekly	Calc
Effluent	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Hexavalent Chromium	---	---	---	0.008	0.010	---	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Hexavalent Chromium	---	---	---	0.007	0.010	---	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	Monitor & Report	0.01 mg/l	---			
Total Chromium	---	---	---	0.005	0.007	---	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Total Chromium	---	---	---	0.005	0.006	---	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	Monitor & Report	0.10 mg/l	---			
Total Suspended Solids	---	---	---	ND	ND	---	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---	135 mg/l	Monitor & Report	---			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE	
Susan Crowley							702-651-2200	04   01   28	
Staff Environmental Specialist							AREA CODE NUMBER	YEAR	MO DAY
TYPED OR PRINTED							702-651-2200	04	01   28
COMMENT AND EXPLANATION OF ANY VIOLATIONS							OFFICER OR AUTHORIZED AGENT		
Please see comment page 1.							 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

(Reference all attachments here)

Form by WinDocChem (7/04) 0845.ppt 11/09/04 01:14:08

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	NV 0023060
DISCHARGE NUMBER	001

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD

FROM 03 | 12 | 01 TO 03 | 12 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Color	SAMPLE MEASUREMENT	---	---	10	10	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Color	SAMPLE MEASUREMENT	---	---	4	5	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Total Dissolved Solids	SAMPLE MEASUREMENT	---	---	5,845	6,323	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Total Dissolved Solids	SAMPLE MEASUREMENT	---	---	5,753	5,800	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Sulfide	SAMPLE MEASUREMENT	---	---	ND	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Sulfide	SAMPLE MEASUREMENT	---	---	ND	ND	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Dissolved Oxygen	SAMPLE MEASUREMENT	---	---	7.90	8.62	---	0	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
Effluent	SAMPLE MEASUREMENT	---	---	Monitor & Report	Monitor & Report	---			
	PERMIT REQUIREMENT	---	---	Monitor & Report	Monitor & Report	---			
<p>NAME / TITLE PRINCIPAL EXECUTIVE OFFICER          Susan Crowley</p> <p>Signature: <i>Susan Crowley</i></p>									
<p>STAFF ENVIRONMENTAL SPECIALIST          TYPED OR PRINTED</p>									
<p>COMMENT AND EXPLANATION OF ANY VIOLATIONS          Please see comment page 1.</p>									
TELEPHONE							DATE		
702-651-2200							04   01   28		
AREA CODE NUMBER							YEAR MO DAY		
702-651-2200							04   01   28		

(Reference all attachments here)

Form by WindowChem(707)964-0845.ppt:1080,v6.01.14/1/06

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL CORP.**  
 NAME: **KERR-McGEE CHEMICAL CORP.**  
 ADDRESS: **PO BOX 55**  
**HENDERSON, NV 89009-7000**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

**FACILITY:** Kerr-McGee Chemical Corp  
**LOCATION:** Henderson, NV  
**Attn:** Susan Crowley

**MONITORING PERIOD**  
 FROM 03 | 12 | 01 TO 03 | 12 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	MEASUREMENT	PERMIT REQUIREMENT	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Oil & Grease Influent	---	---	---	---	---	ND	ND	---	mg/l	0	Weekly	Discrete
Oil & Grease Effluent	---	---	---	---	---	ND	ND	---	mg/l	0	Weekly	Discrete
TKN (as N) Influent	---	---	---	---	---	0.08	0.30	---	mg/l	0	Weekly	Discrete
TKN (as N) Effluent	---	---	---	---	---	0.43	0.66	---	mg/l	0	Weekly	Discrete
Chloride Influent	---	---	---	---	---	1,837	2,033	---	mg/l	0	Weekly	Discrete
Chloride Effluent	---	---	---	---	---	1,833	2,000	---	mg/l	0	Weekly	Discrete
Chlorate Influent	---	---	---	---	---	106	130	---	mg/l	0	Weekly	Discrete
<small>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</small>											TELEPHONE	DATE
<b>Susan Crowley</b> <b>Staff Environmental Specialist</b> TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS Please see comment page 1.											702-651-2200	04   01   28
(Reference all attachments here)											AREA CODE NUMBER	YEAR MO DAY
											800	04 01 28

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL CORP.  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD

FROM 03 12 01 TO 03 12 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Chlorate	SAMPLE MEASUREMENT	---	---	---	109	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	---		
Effluent	SAMPLE MEASUREMENT	---	---	---	<0.1	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	---		
Radium 226 + 228	SAMPLE MEASUREMENT	---	---	---	29.0	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	---		
Gross Alpha	SAMPLE MEASUREMENT	---	---	---	ND	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	---		
Effluent	SAMPLE MEASUREMENT	---	---	---	45 mg/l	---	---	Weekly	Discrete
	PERMIT REQUIREMENT	---	---	---	Maximum	---	---		
BOD <sub>5</sub> (inhibited)	SAMPLE MEASUREMENT	---	---	---	Monitor & Report	---	---		
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	---		
Influent Gross Value	SAMPLE MEASUREMENT	---	---	---	Monitor & Report	---	---		
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	---		
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	SAMPLE MEASUREMENT	---	---	---	Monitor & Report	---	---		
	PERMIT REQUIREMENT	---	---	---	Monitor & Report	---	---		
Susan Crowley Staff Environmental Specialist TYPED OR PRINTED									
COMMENT AND EXPLANATION OF ANY VIOLATIONS Please see comment page 1.									
TELEPHONE: 702-651-2200							DATE: 04   01   28		
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: <i>Susan Crowley</i>							AREA CODE NUMBER: 702		



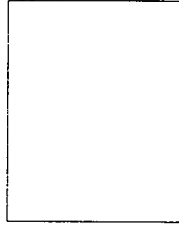
**SOURCE:**  
Total Dissolved Solids (TOT)

**Sampling Dates:**  
01/09/03 - 12/17/03

**Notes:**  
notes about the site

**Legend:**

STATION    Units



Date Sampled

**Henderson**

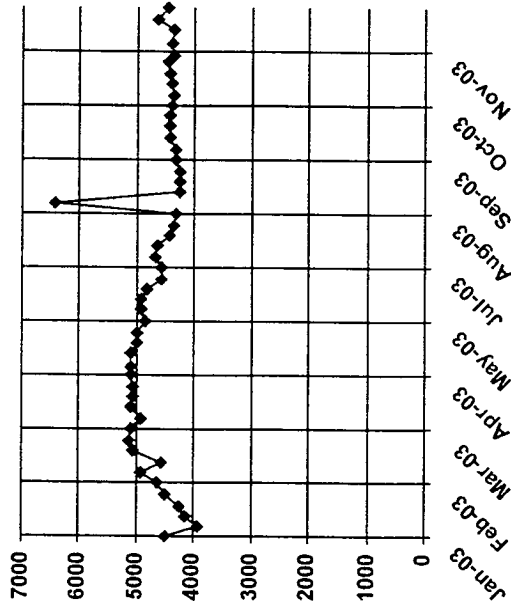
2003

space for additional notes

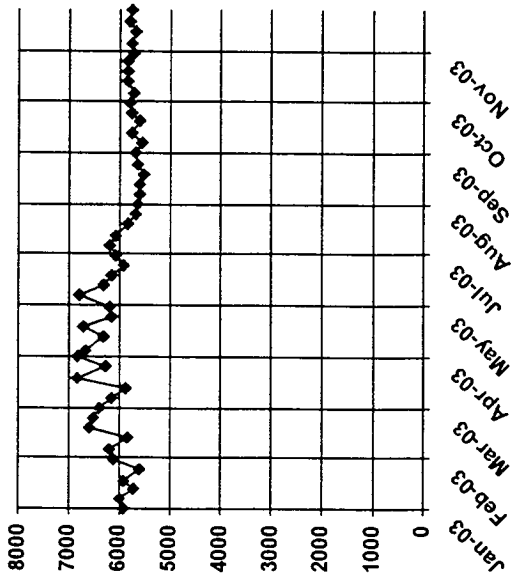
parameter count 1 of 1

space for additional notes

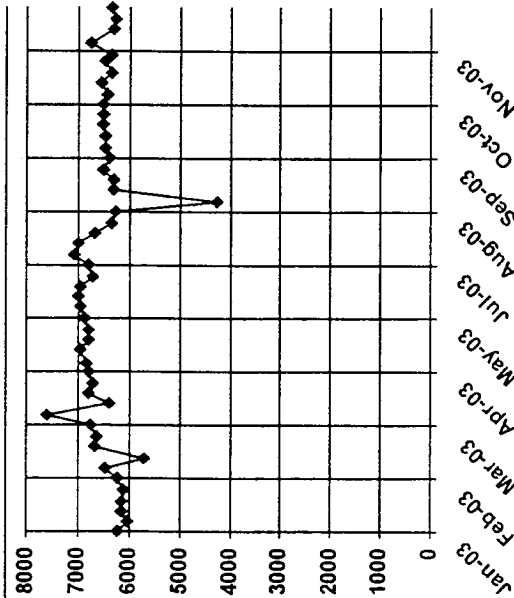
IX INFLUENT (TOT) (mg/l)



IX EFFLUENT (TOT) (mg/l)



ONSITE IX INFLUENT (TOT) (mg/l)



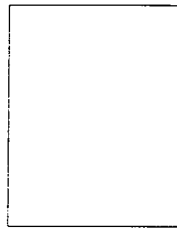
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Perchlorate (TOT)

Sampling Dates:  
01/09/03 - 12/17/03

**Notes:**  
notes about the site

**Legend:**

STATION      Units



Date Sampled

**Henderson**

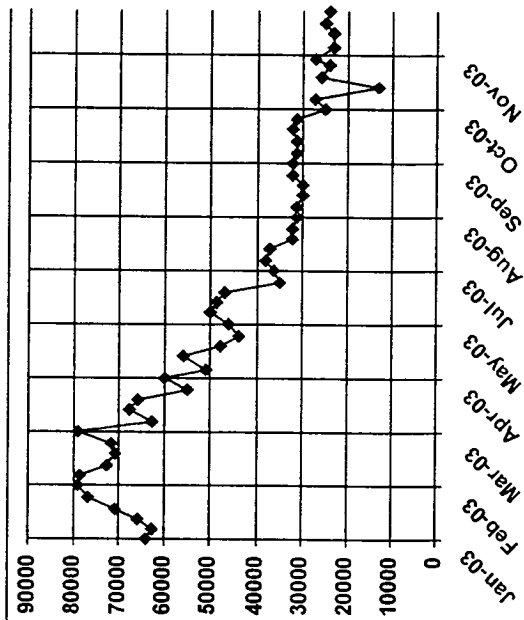
2003

space for additional notes

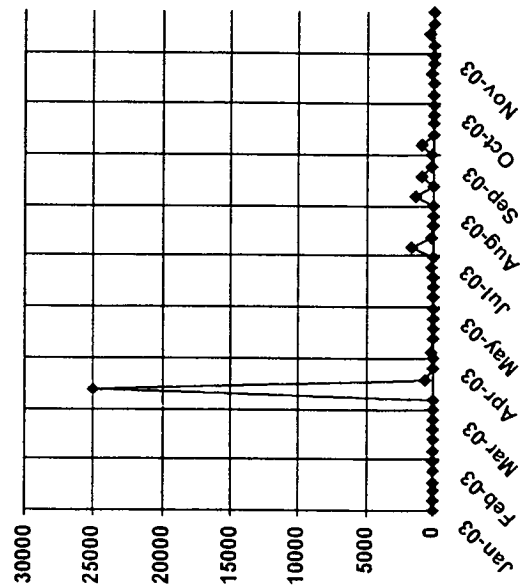
parameter count 1 of 1

space for additional notes

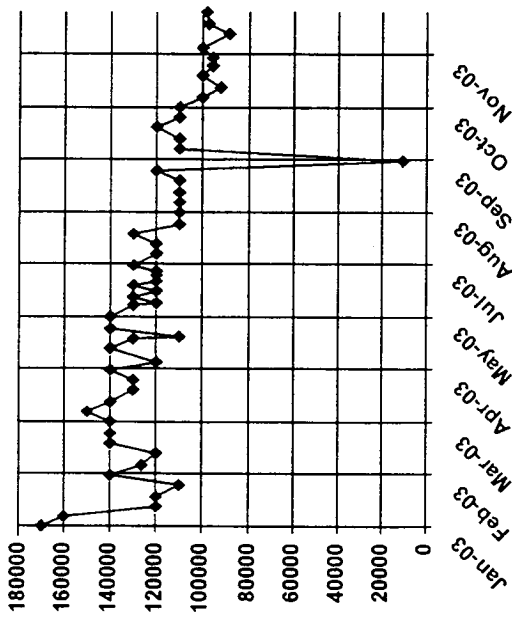
IX INFLUENT (TOT) (ug/l)



IX EFFLUENT (TOT) (ug/l)



ONSITE IX INFLUENT (TOT) (ug/l)



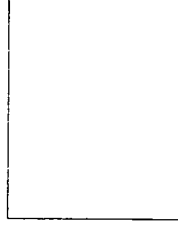
**SOURCE:**  
Chromium (TOT)

**Sampling Dates:**  
01/09/03 - 12/17/03

**Notes:**  
notes about the site

**Legend:**

STATION    Units

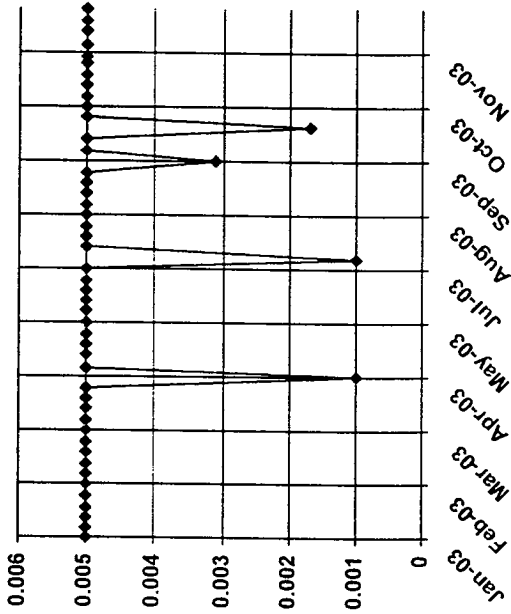


Date Sampled

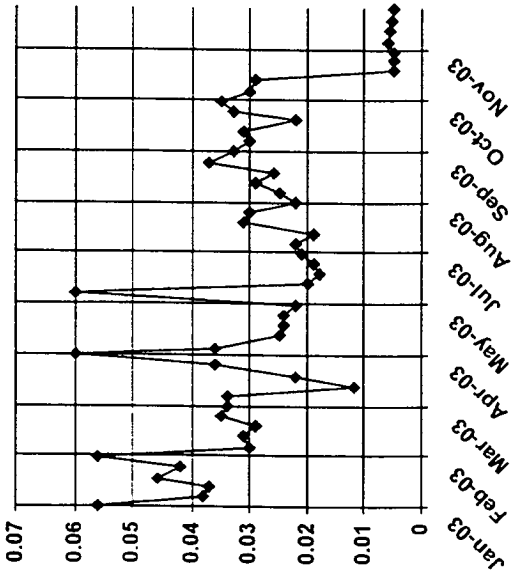
**Henderson**

2003  
space for additional notes  
parameter count 1 of 1  
space for additional notes

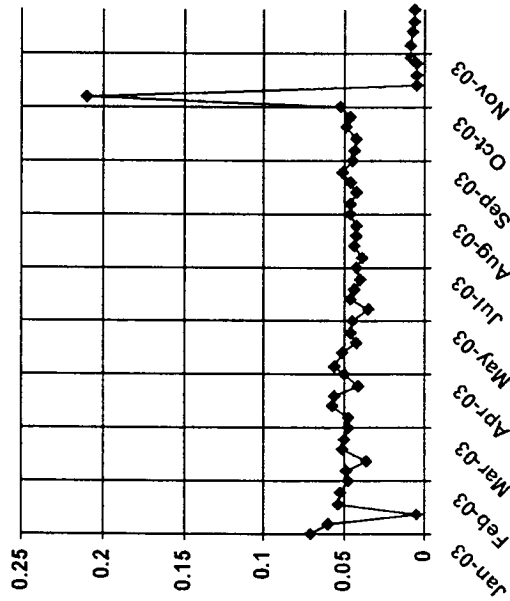
IX INFLUENT (TOT) (mg/l)



IX EFFLUENT (TOT) (mg/l)



ONSITE IX INFLUENT (TOT) (mg/l)



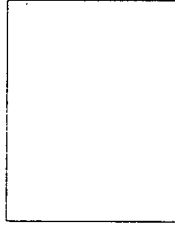
**SOURCE:**  
Chromium-hexavalent (TOT)

Sampling Dates:  
01/09/03 - 12/17/03

**Notes:**  
notes about the site

**Legend:**

STATION Units



Date Sampled

**Henderson**

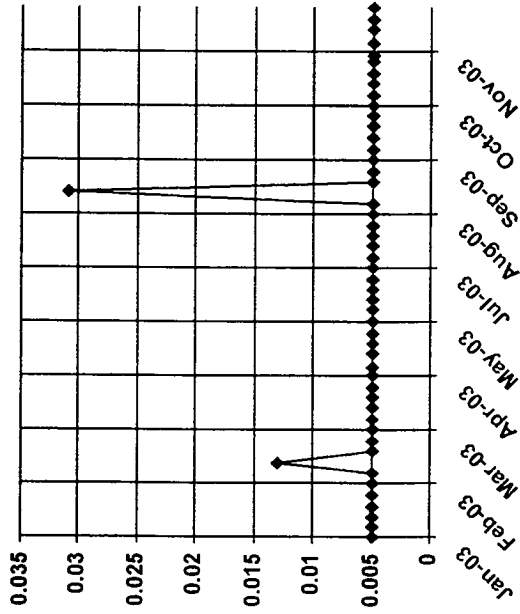
2003

space for additional notes

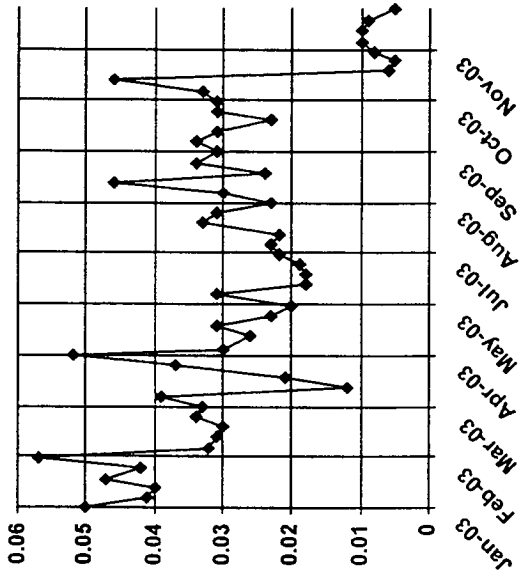
parameter count 1 of 1

space for additional notes

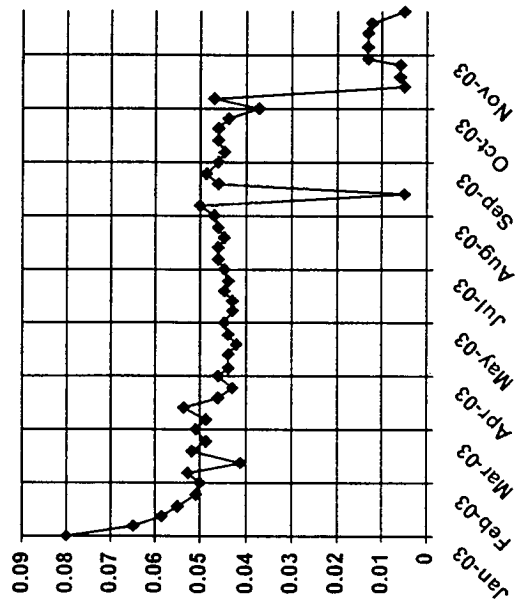
IX INFLUENT (TOT) (mg/l)



IX EFFLUENT (TOT) (mg/l)



ONSITE IX INFLUENT (TOT) (mg/l)



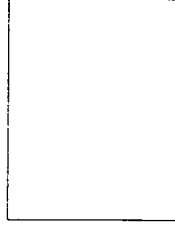
**SOURCE:**  
Total Phosphorus-P (TOT)

Sampling Dates:  
01/09/03 - 12/17/03

**Notes:**  
notes about the site

**Legend:**

STATION      Units

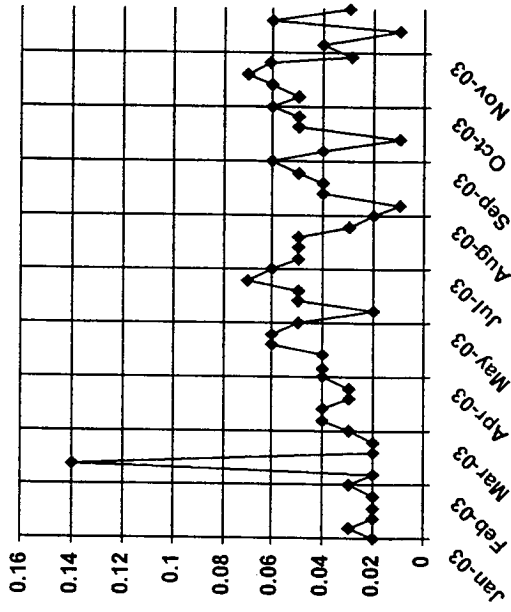


Date Sampled

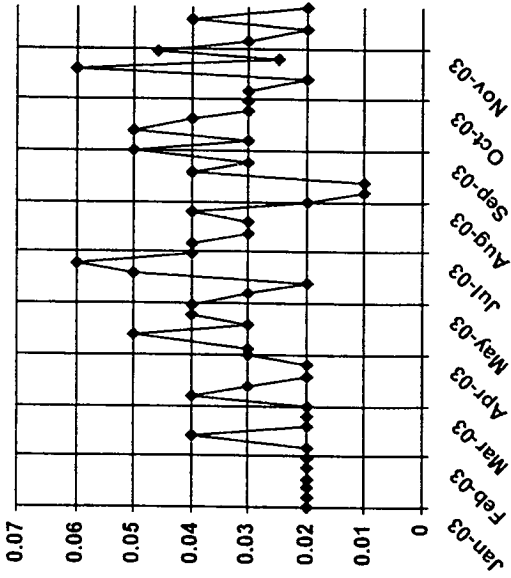
**Henderson**

2003  
space for additional notes  
parameter count 1 of 1  
space for additional notes

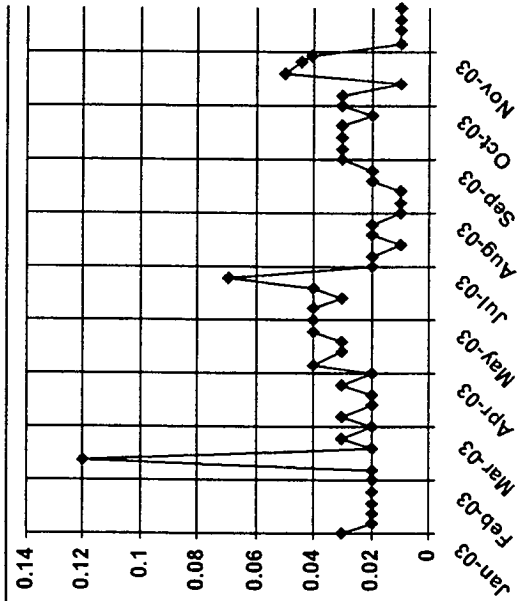
IX INFLUENT (TOT) (mg/l)



IX EFFLUENT (TOT) (mg/l)



ONSITE IX INFLUENT (TOT) (mg/l)



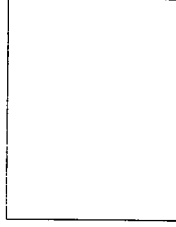
**SOURCE:**  
Chlorate (TOT)

Sampling Dates:  
01/09/03 - 12/17/03

**Notes:**  
notes about the site

**Legend:**

STATION Units

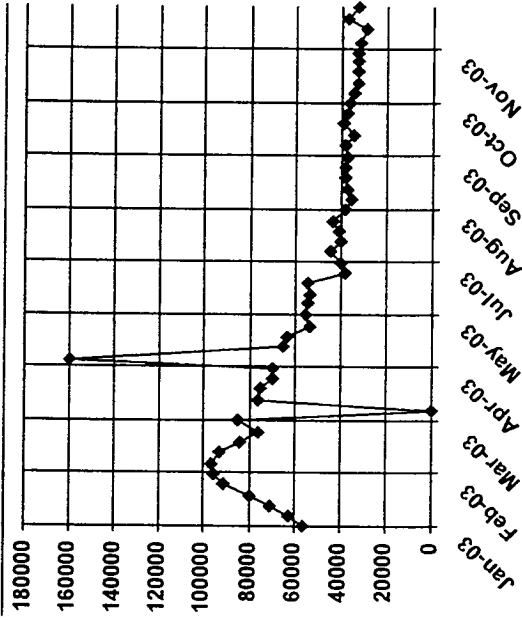


Date Sampled

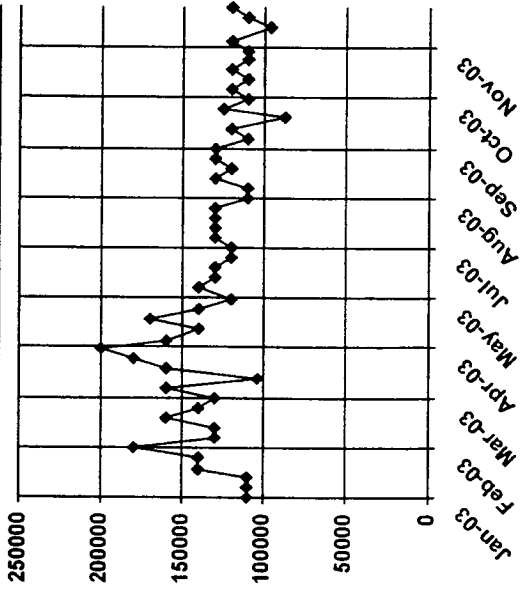
**Henderson**

2003  
space for additional notes  
parameter count 1 of 1  
space for additional notes

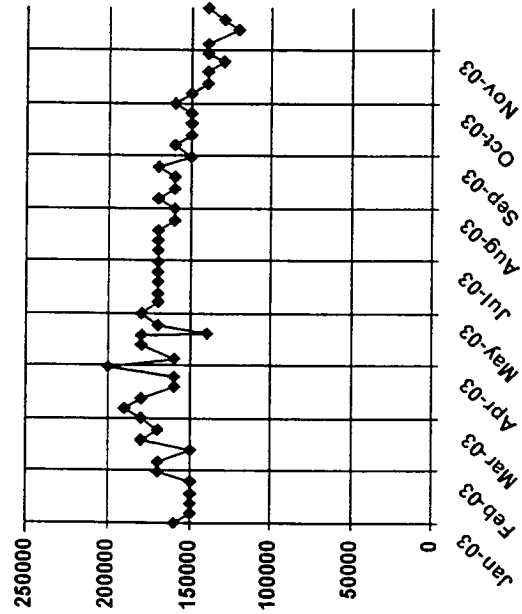
IX INFLUENT (TOT) (ug/l)



IX EFFLUENT (TOT) (ug/l)



ONSITE IX INFLUENT (TOT) (ug/l)



**SOURCE:**  
Chloride (TOT)

**Sampling Dates:**  
01/09/03 - 12/17/03

**Notes:**  
notes about the site

**Legend:**

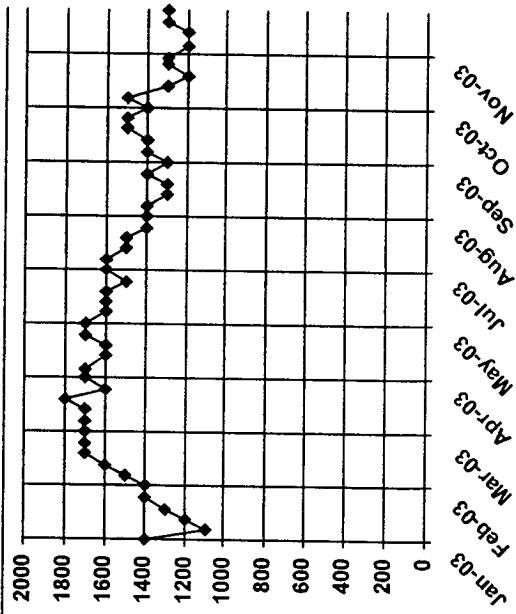
STATION      Units

Date Sampled

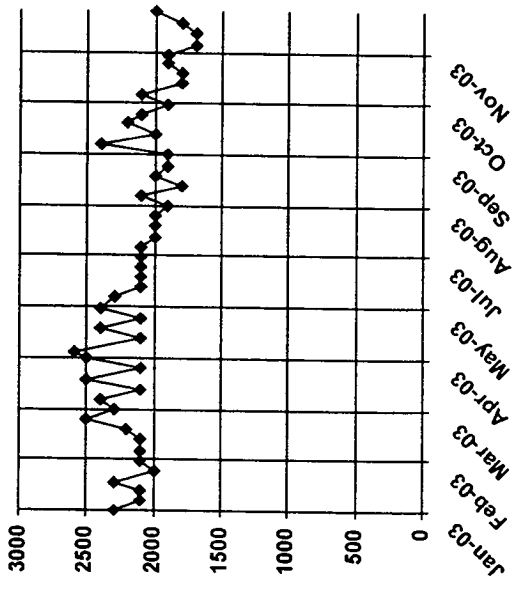
**Henderson**

2003  
 space for additional notes  
 parameter count 1 of 1  
 space for additional notes

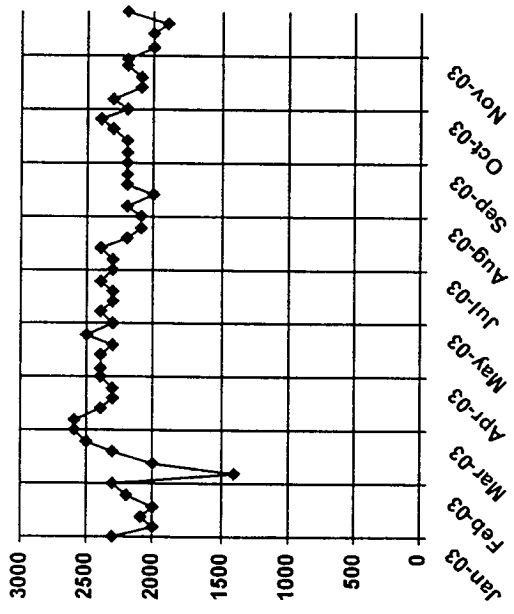
IX INFLUENT (TOT) (mg/l)



IX EFFLUENT (TOT) (mg/l)



ONSITE IX INFLUENT (TOT) (mg/l)



RECEIVED

2004 FEB -2 AM 10: 26

DOH/INDEP  
LAS VEGAS

**ATTACHMENT 2**

**DMR  
Supporting Analytical  
-  
Influent & Effluent  
Attachment A  
Supporting Analytical**



# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:16:45 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	10/2/2003	10/8/2003	10/15/2003	10/29/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310030096	2310090036	2310160039	2310300008
	Sample Number	IX INFLUENT	IX INFLUENT	z	IX INFLUENT
	Remarks	Superseded			

**Other**

Apparent Color	ACU	15 v	10 v	10 v	15 v
Total Dissolved Solids	mg/l	4440 v	4420 v	4410 v	4390 v
Laboratory pH	s.u.	7.3 v	7.8 v	7.4 v	7.4 v

**Metals**

Chromium	mg/l	0.0017 v	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.005 u	0.005 u	0.005 u	0.005 u

**Inorganics**

Percent Unionized Ammonia	%	1.1 v	3.39 v	1.38 v	1.38 v
25C					
Ammonia (as N)	mg/l	0.059 v	0.055 v	0.059 v	0.054 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1500 vd	1500 vd	1400 vd	1300 vd
Nitrate (as N)	mg/l	4.8 vd	5.2 vd	5.1 vd	3.67 vd
Nitrate/Nitrite	mg/l	4.86 v	5.26 v	5.16 v	3.72 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.58 v	0.55 v	0.28 v	0.2 u
Total Phosphorus-P	mg/l	0.05 v	0.05 v	0.06 v	0.06 v
Chlorate	ug/l	39000 vd	37000 vd	36000 vd	33000 vd
Perchlorate	ug/l	32000 vd	31000 vd	25000 vd	13000 vd

**Hydrocarbon**

Oil and grease	mg/l	5 u	5 u	5 u	5 u
----------------	------	-----	-----	-----	-----

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:17:57 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	10/2/2003	10/8/2003	10/15/2003	10/29/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310030098	2310090034	2310160041	2310300010
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT		z SITE IX INFLUENT
	Remarks	Superseded			

Other					
Apparent Color	ACU	15 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	6500 v	6510 v	6510 v	6560 v
Laboratory pH	s.u.	7.3 v	7.5 v	7.3 v	7.4 v
Metals					
Chromium	mg/l	0.049 v	0.046 vd	0.053 vd	0.005 ud
Chromium-hexavalent	mg/l	0.046 v	0.044 v	0.037 v	0.005 u
Inorganics					
Percent Unionized Ammonia	%	1.1 v	1.73 v	1.1 v	1.38 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	2300 vd	2400 vd	2200 vd	2100 vd
Nitrate (as N)	mg/l	15 vd	15 vd	13 vd	12.4 vd
Nitrate/Nitrite	mg/l	15 v	15 v	13 v	12.4 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.03 v	0.02 v	0.03 v	0.01 v
Chlorate	ug/l	150000 vd	150000 vd	160000 vd	140000 vd
Perchlorate	ug/l	120000 vd	110000 vd	110000 vd	92000 vd
Hydrocarbon					
Oil and grease	mg/l	5 u	5 u	5 u	5 u

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:15:40 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	10/2/2003	10/8/2003	10/15/2003	10/29/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310030097	2310090035	2310160040	2310300009
	Sample Number	IX EFFLUENT	IX EFFLUENT	z	IX EFFLUENT
	Remarks	Superseded			

### Other

Apparent Color	ACU	5 v	3 v	5 v	5 v
Total Dissolved Solids	mg/l	5620 v	5780 v	5820 v	5840 v
Total Suspended Solids	mg/l	10 u	10 u	10 u	10 u
Laboratory pH	s.u.	7.3 v	7.6 v	7.3 v	7.3 v

### Metals

Boron	mg/l	2.9 vd	2.7 vd	2.8 vd	2.8 vd
Chromium	mg/l	0.022 vd	0.033 vd	0.035 vd	0.029 vd
Chromium-hexavalent	mg/l	0.023 v	0.031 v	0.031 v	0.046 v
Iron	mg/l	0.2 ud	0.2 ud	0.2 ud	0.02 ud
Manganese	mg/l	0.32 vd	0.33 vd	0.35 vd	0.28 vd

### Inorganics

Percent Unionized Ammonia	%	1.1 v	2.16 v	1.1 v	1.1 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	2200 vd	2100 vd	1900 vd	1800 vd
Nitrate (as N)	mg/l	7.7 vd	13 vd	11 vd	10.1 vd
Nitrate/Nitrite	mg/l	7.7 v	13 v	11 v	10.1 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.26 v	0.4 v	0.62 v	0.25 v
Total Phosphorus-P	mg/l	0.04 v	0.03 v	0.03 v	0.02 v
Chlorate	ug/l	87000 vd	125000 vd	110000 vd	110000 vd
Perchlorate	ug/l	44 vd	62 vd	9.2 vd	40 vd

### Radiologic

Gross Alpha	pCi/l	11 u	29 v	19 v	30 v
Ra-226 - soluble	pCi/l	0.3 u	0.3 u	0.3 u	1 v
Ra-228 - soluble	pCi/l	0.4 u	0.4 u	0.4 u	0.3 u

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:19:40 PM

Sample Type:	Station (Site)	IX Effluent	IX Influent	SITE IX INFLUENT
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL
	Lab Number	2310230036	2310230035	2310230037
	Sample Number	IX EFFLUENT	IX INFLUENT	SITE IX INFLUENT
	Remarks	Superseded		

### Other

Apparent Color	ACU	3 v	10 v	10 v
Surfactants	mg/l	0.079 v	1.25 vd	1.63 vd
Total Dissolved Solids	mg/l	5720 v	4360 v	6420 v
Total Organic Carbon	mg/l	2.5 v	4.5 vd	3.2 vd
Total Suspended Solids	mg/l	10 u	10 u	10 u
Laboratory pH	s.u.	7.3 v	7.3 v	7.3 v
1,2-Diphenylhydrazine	ug/l	10 u	10 u	10 u
bis(2-ethylhexyl)adipate	ug/l	0.6 u	0.6 u	0.6 u
Molinate	ug/l		0.2 u	0.2 u
Thiobencarb	ug/l	0.2 u	0.2 u	0.2 u
trans-Nonachlor	ug/l	0.05 u	0.05 u	0.05 u

### Metals

Antimony	mg/l	0.005 ud	0.005 ud	0.005 ud
Arsenic	mg/l	0.107 vd	0.096 vd	0.104 vd
Barium	mg/l	0.023 vd	0.022 vd	0.023 vd
Beryllium	mg/l	0.005 ud	0.005 ud	0.005 ud
Boron	mg/l	2.7 vd	2 v	3.2 v
Cadmium	mg/l	0.0025 ud	0.0025 ud	0.0025 ud
Chromium	mg/l	0.03 vd	0.005 ud	0.21 vd
Chromium-hexavalent	mg/l	0.033 v	0.005 u	0.047 v
Copper	mg/l	0.01 ud	0.013 vd	0.01 ud
Iron	mg/l	0.02 ud	0.017 v	0.01 u
Magnesium	mg/l	160 v	120 v	180 v
Manganese	mg/l	0.32 vd	1.1 vd	0.01 ud
Mercury	mg/l	0.0002 u	0.0002 u	0.0002 u
Molybdenum	mg/l	0.079 vd	0.056 vd	0.08 vd
Nickel	mg/l	0.029 vd	0.027 vd	0.029 vd
Potassium	mg/l	30 v	30 v	30 v
Selenium	mg/l	0.025 ud	0.025 ud	0.025 ud
Sodium	mg/l	1000 v	840 v	1100 v
Strontium	mg/l	9.9 vd	6.5 vd	11 vd
Thallium	mg/l	0.005 ud	0.005 ud	0.005 ud
Vanadium	mg/l	0.065 vd	0.084 vd	0.062 vd
Zinc	mg/l	0.025 ud	0.025 ud	0.025 ud
Arsenic III	ug/l	19 vd	96 vd	25 vd
Lead	ug/l	2.5 ud	2.5 ud	2.5 ud

### Inorganics

Percent Unionized Ammonia	%	1.1 v	1.1 v	1.1 v
25C				
Ammonia (as N)	mg/l	0.05 u	0.056 v	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u
Chemical oxygen demand	mg/l	10 ud	19 vd	10 ud

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	IX Effluent	IX Influent	SITE IX INFLUENT
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL
	Lab Number	2310230036	2310230035	2310230037
	Sample Number	IX EFFLUENT	IX INFLUENT	SITE IX INFLUENT
	Remarks			
	Superseded			

Chloride	mg/l	2100 vd	1500 vd	2300 vd
Nitrate (as N)	mg/l	9.7 vd	4 ud	12 vd
Nitrate/Nitrite	mg/l	9.7 v	0.2 u	12 v
Nitrite	mg/l	4 ud	4 ud	4 ud
Sulfate	mg/l	1600 vd	1200 vd	2000 vd
sulfide	mg/l	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.36 v	0.5 v	0.2 u
Total Phosphorus-P	mg/l	0.03 v	0.05 v	0.03 v
Chlorate	ug/l	120000 vd	34000 vd	150000 vd
Perchlorate	ug/l	32 vd	27000 vd	100000 vd
<b>Radiologic</b>				
Gross Alpha	pCi/l	39 v	13 v	31 v
Ra-226 - soluble	pCi/l	0.3 u	0.3 u	0.3 u
Ra-228 - soluble	pCi/l	0.4 u	0.4 u	0.4 u
<b>Dioxins and Furans</b>				
Tetrahydrofuran	ug/l	10 u	10 u	10 u
<b>Herbicides</b>				
2,4,5-T	ug/l	0.4 u	0.4 u	0.4 u
2,4,5-TP (Silvex)	ug/l	0.4 u	0.4 u	0.4 u
2,4-D	ug/l	0.4 u	0.4 u	0.4 u
2,4-DB	ug/l	0.4 u	0.4 u	0.4 u
Butachlor	ug/l	0.05 u	0.05 u	0.05 u
Dalapon	ug/l	0.4 u	0.4 u	0.4 u
Dicamba	ug/l	0.4 u	0.4 u	0.4 u
Dichlorprop	ug/l	0.4 u	0.4 u	0.4 u
Dinoseb	ug/l	0.4 u	0.4 u	0.4 u
Metolachlor	ug/l	0.05 u	0.05 u	0.05 u
Metribuzin	ug/l	0.05 u	0.05 u	0.05 u
Prometryn	ug/l	0.5 u	0.5 u	0.5 u
<b>Hydrocarbon</b>				
Oil and grease	mg/l	5 u	5 u	5 u
<b>PCBs</b>				
Aroclor-1016	ug/l	0.5 u	0.5 u	0.5 u
Aroclor-1221	ug/l	0.5 u	0.5 u	0.5 u
Aroclor-1232	ug/l	0.5 u	0.5 u	0.5 u
Aroclor-1242	ug/l	0.5 u	0.5 u	0.5 u
Aroclor-1248	ug/l	0.5 u	0.5 u	0.5 u
Aroclor-1254	ug/l	0.5 u	0.5 u	0.5 u
Aroclor-1260	ug/l	0.5 u	0.5 u	0.5 u
<b>Pesticides</b>				
4,4-DDD	ug/l	0.02 u	0.02 u	0.02 u
4,4-DDE	ug/l	0.02 u	0.02 u	0.02 u
4,4-DDT	ug/l	0.02 u	0.02 u	0.02 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	IX Effluent	IX Influent	SITE IX INFLUENT
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL
	Lab Number	2310230036	2310230035	2310230037
	Sample Number	IX EFFLUENT	IX INFLUENT	SITE IX INFLUENT
	Remarks			
	Superceded			

Aldrin	ug/l	0.05 u	0.05 u	0.05 u
Alpha-BHC	ug/l	0.07 v	0.42 vd	0.23 vd
Alpha-chlordane	ug/l	0.05 u	0.05 u	0.05 u
Beta-BHC	ug/l	0.02 u	0.19 v	0.2 vd
Bromacil	ug/l	0.2 u	0.2 u	0.2 u
Delta-BHC	ug/l	0.02 u	0.19 vd	0.26 vd
Diazinon	ug/l	0.1 u	0.1 u	0.1 u
Dieldrin	ug/l	0.2 u	0.2 u	0.2 u
Endosulfan I	ug/l	0.02 u	0.02 u	0.02 u
Endosulfan II	ug/l	0.02 u	0.02 u	0.02 u
Endosulfan Sulfate	ug/l	0.02 u	0.02 u	0.02 u
Endrin	ug/l	0.1 u	0.1 u	0.1 u
Endrin Aldehyde	ug/l	0.02 u	0.02 u	0.02 u
Endrin Ketone	ug/l	0.5 u	0.5 u	0.5 u
Gamma-BHC (Lindane)	ug/l	0.02 u	0.02 u	0.02 u
Gamma-Chlordane	ug/l	0.05 u	0.05 u	0.05 u
Heptachlor	ug/l	0.04 u	0.04 u	0.04 u
Heptachlor Epoxide	ug/l	0.02 u	0.02 u	0.02 u
Methoxychlor	ug/l	0.1 u	0.1 u	0.1 u
Mirex	ug/l	0.05 u	0.05 u	0.05 u
Propachlor	ug/l		0.05 u	0.05 u
Simazine	ug/l		0.05 u	0.05 u
Tech-Chlordane	ug/l	0.2 u	0.2 u	0.2 u
Toxaphene	ug/l	0.5 u	0.5 u	0.5 u
Trifluralin	ug/l		0.1 u	0.1 u

**SVOAs**

2,4,5-Trichlorophenol	mg/l	0.005 u	0.005 u	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u	0.005 u	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u	0.005 u	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u	0.005 u	0.005 u
2-Chloronaphthalene	mg/l	0.005 u	0.005 u	0.005 u
2-Methylnaphthalene	mg/l	0.005 u	0.005 u	0.005 u
2-Methylphenol	mg/l	0.005 u	0.005 u	0.005 u
2-Nitroaniline	mg/l	0.01 u	0.01 u	0.01 u
2-Nitrophenol	mg/l	0.005 u	0.005 u	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u	0.05 u	0.05 u
3-Nitroaniline	mg/l	0.02 u	0.02 u	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u	0.05 u	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u	0.005 u	0.005 u
4-Chloroaniline	mg/l	0.005 u	0.005 u	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u	0.005 u	0.005 u
4-Methylphenol	mg/l	0.005 u	0.005 u	0.005 u
4-Nitroaniline	mg/l	0.02 u	0.02 u	0.02 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:19:40 PM

Sample Type:	Station (Site)	IX Effluent	IX Influent	SITE IX INFLUENT
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL
	Lab Number	2310230036	2310230035	2310230037
	Sample Number	IX EFFLUENT	IX INFLUENT	SITE IX INFLUENT
	Remarks			
	Superseded			
4-Nitrophenol	mg/l	0.01 u	0.01 u	0.01 u
Acenaphthene	mg/l	0.005 u	0.005 u	0.005 u
Aniline	mg/l	0.005 u	0.005 u	0.005 u
Anthracene	mg/l	0.00002 u	0.005 u	0.005 u
Benzdine	mg/l	0.05 u	0.05 u	0.05 u
Benzo(g,h,i)perylene	mg/l	0.00005 u	0.01 u	0.01 u
Benzo(k)fluoranthene	mg/l	0.00002 u	0.005 u	0.005 u
Benzoic acid	mg/l	0.05 u	0.05 u	0.05 u
Benzyl alcohol	mg/l	0.005 u	0.005 u	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u	0.01 u	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u	0.01 u	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u	0.01 u	0.01 u
bis(2-Ethylhexyl)phthalate	mg/l	0.0006 u	0.004 u	0.004 u
Butyl benzyl phthalate	mg/l	0.0005 u	0.005 u	0.005 u
Chrysene	mg/l	0.00002 u	0.005 u	0.005 u
Dibenzofuran	mg/l	0.005 u	0.005 u	0.005 u
Diethyl phthalate	mg/l	0.005 u	0.005 u	0.005 u
Dimethoate	mg/l		0.01 u	0.002 u
Dimethyl phthalate	mg/l	0.005 u	0.005 u	0.005 u
Di-N-Butyl phthalate	mg/l	0.001 u	0.01 u	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u	0.01 u	0.01 u
Fluorene	mg/l	0.005 u	0.005 u	0.005 u
Hexachlorobenzene	mg/l	0.005 u	0.005 u	0.005 u
Hexachlorobutadiene	mg/l	0.01 u	0.01 u	0.01 u
Hexachlorocyclopentadiene	mg/l	0.01 u	0.01 u	0.01 u
Hexachloroethane	mg/l	0.005 u	0.005 u	0.005 u
Isophorone	mg/l	0.005 u	0.005 u	0.005 u
Nitrobenzene	mg/l	0.005 u	0.005 u	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u	0.005 u	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u	0.005 u	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u	0.005 u	0.005 u
Pyrene	mg/l	0.00005 u	0.005 u	0.005 u
2,4,6-Trichlorophenol	ug/l	5 u	5 u	5 u
2,4-Dimethylphenol	ug/l	5 u	5 u	5 u
2,4-Dinitrophenol	ug/l	50 u	50 u	50 u
2-Chlorophenol	ug/l	5 u	5 u	5 u
Acenaphthylene	ug/l	5 u	5 u	5 u
Alachlor	ug/l	0.05 u	0.05 u	0.05 u
Atrazine	ug/l		0.05 u	0.05 u
Benz(a)anthracene	ug/l	0.05 u	5 u	5 u
Benzo(a)pyrene	ug/l	0.02 u	5 u	5 u
Benzo(b)fluoranthene	ug/l	0.02 u	5 u	5 u
Caffeine	ug/l	0.05 u	0.05 u	0.05 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:19:40 PM

Sample Type:	Station (Site)	IX Effluent	IX Influent	SITE IX INFLUENT
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL
	Lab Number	2310230036	2310230035	2310230037
	Sample Number	IX EFFLUENT	IX INFLUENT	SITE IX INFLUENT
	Remarks			
	Superseded			

Dibenz(a,h)anthracene	ug/l	0.05 u	10 u	10 u
Fluoranthene	ug/l	0.1 u	5 u	5 u
Indeno(1,2,3-cd)pyrene	ug/l	0.05 u	10 u	10 u
Naphthalene	ug/l	5 u	5 u	5 u
p-Chloro-m-cresol	ug/l	5 u	5 u	5 u
Pentachlorophenol	ug/l	20 u	20 u	20 u
Phenanthrene	ug/l	0.02 u	5 u	5 u
Phenol	ug/l	5 u	5 u	5 u
<b>VOAs</b>				
1,1,1-Trichloroethane	mg/l	0.0005 u	0.0005 u	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l	0.0005 u	0.0005 u	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u	0.0005 u	0.0005 u
1,1-Dichloroethane	mg/l	0.0045 v	0.0036 v	0.005 v
1,1-Dichloroethene	mg/l	0.0005 u	0.0005 u	0.0005 u
1,2,4-Trichlorobenzene	mg/l	0.005 u	0.005 u	0.005 u
1,2-Dichlorobenzene	mg/l	0.005 u	0.005 u	0.005 u
1,2-Dichloroethane	mg/l	0.0005 u	0.0005 u	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u	0.0005 u	0.0005 u
1,3-Dichlorobenzene	mg/l	0.005 u	0.005 u	0.005 u
1,4-Dichlorobenzene	mg/l	0.005 u	0.005 u	0.005 u
2-Hexanone	mg/l	0.01 u	0.01 u	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u	0.01 u	0.01 u
Acetone	mg/l	0.01 u	0.01 u	0.01 u
Acrolein	mg/l	0.05 u	0.05 u	0.05 u
Acrylonitrile	mg/l	0.05 u	0.05 u	0.05 u
Bromodichloromethane	mg/l	0.0005 u	0.0005 u	0.0005 u
Bromoform	mg/l	0.0005 u	0.0005 u	0.0005 u
Bromomethane	mg/l	0.0005 u	0.0005 u	0.0005 u
Carbon disulfide	mg/l	0.0005 u	0.0005 u	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u	0.0005 u	0.0005 u
Chlorobenzene	mg/l	0.0005 u	0.0005 u	0.0005 u
Chloroethane	mg/l	0.0005 u	0.0005 u	0.0005 u
Chloroform	mg/l	0.026 v	0.0005 u	0.039 v
Chloromethane	mg/l	0.0005 u	0.0005 u	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u	0.0005 u	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u	0.0005 u	0.0005 u
Dibromochloromethane	mg/l	0.0005 u	0.0005 u	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u	0.0005 u	0.0005 u
m,p-Xylene	mg/l	0.0005 u	0.0005 u	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u	0.01 u	0.01 u
Methylene chloride	mg/l	0.003 u	0.003 u	0.003 u
o-Xylene	mg/l	0.0005 u	0.0005 u	0.0005 u
Styrene	mg/l	0.0005 u	0.0005 u	0.0005 u

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	IX Effluent	IX Influent	SITE IX INFLUENT
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL
	Lab Number	2310230036	2310230035	2310230037
	Sample Number	IX EFFLUENT	IX INFLUENT	SITE IX INFLUENT
	Remarks			
	Superseded			

Tetrachloroethene	mg/l	0.0006 v	0.0005 u	0.0008 v
trans-1,2-Dichloroethylene	mg/l	0.0005 u	0.0005 u	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u	0.0005 u	0.0005 u
Trichloroethene	mg/l	0.0012 v	0.0009 v	0.0015 v
Trichlorofluoromethane	mg/l	0.0005 u	0.0005 u	0.0005 u
Vinylacetate	mg/l	0.01 u	0.01 u	0.01 u
Vinylchloride	mg/l	0.0005 u	0.0005 u	0.0005 u
Benzene	ug/l	0.5 u	0.5 u	0.5 u
Ethylbenzene	ug/l	0.5 u	0.5 u	0.5 u
Toluene	ug/l	0.5 u	0.5 u	0.5 u

**Analytic Flag Codes:**

- |   |  |  |
|---|--|--|
| * Surrogate outside QC limits                       | a Not available                          | b Analyte detected in blank and sample |
| c Coelute   | d Diluted                                | e Exceeds calibration range            |
| f Calculated from higher dilution                   | g Concentration > value reported         | h Pass                                 |
| i Insufficient sample                               | j Est. value; conc. < quan. limit        | k Fail                                 |
| l Less than detection limit                         | m Matrix interference                    | n Not measured                         |
| p > 40% rpd between primary 1 deg and 2 deg column. | q Uncertain value                        | s Surrogate                            |
| t Trace amount                                      | u Not detected                           | v Detected value                       |
| w Btwn CRDL/IDL                                     | x Surrogate diluted but within QC limits | y Calculated Value                     |
| z Unknown   |  |  |

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**Analyses Summary Report**

Site Name: Henderson

1/28/2004 4:44:54 PM

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Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	10/4/2003	10/4/2003	10/4/2003	10/11/2003	10/11/2003	10/11/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2311040160	2311040157	2311040161	2311040163	2311040162	2311040164
	Sample Number	MP 9-28-3 TO 10-4-3	MP 9-28-3 TO 10-4-3	COMP 9-28-3/10-4-3	MP 10-5-3 TO 10-11-3	MP 10-5-3 TO 10-11-3	COMP 10-5-3/10-11-3
	Remarks	Superseded					

Inorganics							
Perchlorate	ug/l	300 vd	29000 vd	110000 vd	93 vd	27000 vd	110000 vd

See analytical flag codes on last page.

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**Analyses Summary Report**

Site Name: Henderson

1/28/2004 4:44:55 PM

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Sample Type:	Station (Site)	LX Effluent-Comp	LX Influent-Comp	X INFLUENT-Comp	LX Effluent-Comp	LX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	10/18/2003	10/18/2003	10/18/2003	10/25/2003	10/25/2003	10/25/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2311040166	2311040165	2311040167	2311040169	2311040168	2311040170
	Sample Number	P 10-12-3 TO 10-18-3P	10-12-3 TO 10-18-3	COMP 10-12/10-18-3P	10-19-3 TO 10-25-3P	10-19-3 TO 10-25-3	COMP 10-19/10-25-3
	Remarks	Superseded					

**Inorganics**

Perchlorate	ug/l	2100 vd	27000 vd	120000 vd	240 vd	26000 vd	110000 vd
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**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:20:36 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	11/5/2003	11/12/2003	11/17/2003	11/24/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2311060039	2311130011	2311180005	2311250019
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks				
	Superseded				

### Other

Apparent Color	ACU	10 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	4430 v	4460 v	4360 v	4390 v
Laboratory pH	s.u.	7.3 v	7.4 v	7.3 v	7.3 v

### Metals

Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.005 u	0.005 u	0.005 u	0.005 u

### Inorganics

Percent Unionized Ammonia	%	1.1 v	1.38 v	1.1 v	1.1 v
25C					
Ammonia (as N)	mg/l	0.058 v	0.055 v	0.054 v	0.057 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1200 vd	1300 vd	1300 vd	1200 vd
Nitrate (as N)	mg/l	4 ud	4.1 vd	4.2 vd	4 ud
Nitrate/Nitrite	mg/l	0.2 u	4.15 v	4.25 v	0.2 u
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.41 v	0.38 v	0.41 v
Total Phosphorus-P	mg/l	0.07 v	0.061 v	0.029 v	0.04 v
Chlorate	ug/l	33000 vd	33000 vd	33000 vd	32000 vd
Perchlorate	ug/l	26000 vd	24000 vd	27000 vd	23000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:21:49 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	11/5/2003	11/12/2003	11/17/2003	11/24/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2311060041	2311130013	2311180007	2311250021
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
	Remarks	Superseded			

**Other**

Apparent Color	ACU	10 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	6370 v	6460 v	6350 v	6740 v
Laboratory pH	s.u.	7.3 v	7.4 v	7.4 v	7.4 v

**Metals**

Chromium	mg/l	0.005 ud	0.005 ud	0.0091 vd	0.0087 vd
Chromium-hexavalent	mg/l	0.006 v	0.006 v	0.013 v	0.013 v

**Inorganics**

Percent Unionized Ammonia	%	1.1 v	1.38 v	1.38 v	1.38 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	2100 vd	2200 vd	2200 vd	2000 vd
Nitrate (as N)	mg/l	13 vd	13 vd	13 vd	21 vd
Nitrate/Nitrite	mg/l	13 v	13 v	13 v	21 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.05 v	0.044 v	0.041 v	0.01 u
Chlorate	ug/l	140000 vd	130000 vd	140000 vd	140000 vd
Perchlorate	ug/l	100000 vd	96000 vd	96000 vd	100000 vd

**Hydrocarbon**

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:21:09 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	11/5/2003	11/12/2003	11/17/2003	11/24/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2311060040	2311130012	2311180006	2311250020
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superceded			

### Other

Apparent Color	ACU	3 v	5 v	5 v	3 v
Total Dissolved Solids	mg/l	5840 v	5840 v	5730 v	5770 v
Total Suspended Solids	mg/l	10 u	10 u	10 u	10 u
Laboratory pH	s.u.	7.3 v	7.4 v	7.3 v	7.4 v

### Metals

Boron	mg/l	2.8 vd	2.9 vd	2.8 vd	2.7 vd
Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.0059 vd
Chromium-hexavalent	mg/l	0.006 v	0.005 u	0.008 v	0.01 v
Iron	mg/l	0.057 vd	0.02 ud	0.02 ud	0.02 ud
Manganese	mg/l	0.33 vd	0.3 vd	0.34 vd	0.35 vd

### Inorganics

Percent Unionized Ammonia	%	1.1 v	1.38 v	1.1 v	1.38 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1800 vd	1900 vd	1900 vd	1700 vd
Nitrate (as N)	mg/l	8.8 vd	11 vd	11 vd	16 vd
Nitrate/Nitrite	mg/l	8.8 v	11 v	11 v	16 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.28 v	0.25 v	0.31 v	0.31 v
Total Phosphorus-P	mg/l	0.06 v	0.025 v	0.046 v	0.03 v
Chlorate	ug/l	120000 vd	110000 vd	110000 vd	120000 vd
Perchlorate	ug/l	100 vd	5 v	40 vd	18 vd

### Radiologic

Gross Alpha	pCi/l	21 v	30 v	21 v	18 v
Ra-226 - soluble	pCi/l	0.3 u	0.5 v	0.1 u	0.3 u
Ra-228 - soluble	pCi/l	0.3 u	0.4 v	0.4 u	0.3 u

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

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**Analyses Summary Report**

Site Name: Henderson

1/28/2004 4:47:15 PM

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Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	11/1/2003	11/1/2003	11/1/2003	11/8/2003	11/8/2003	11/8/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2311040172	2311040171	2311040173	2312020129	2312020128	2312020130
	Sample Number	MP 10-26-3 TO 11-1-3	MP 10-26-3 TO 11-1-3	COMP 10-26-3/11-1-3	MP 11-2-3 TO 11-8-3	MP 11-2-3 TO 11-8-3	COMP 11-2-3/11-8-3
	Remarks	Superseded					

**Inorganics**

Perchlorate	ug/l	37 vd	25000 vd	100000 vd	130 vd	28000 vd	110000 vd
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See analytical flag codes on last page.

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**Analyses Summary Report**

Site Name: Henderson

1/28/2004 4:47:15 PM

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Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	11/22/2003	11/22/2003	11/22/2003	11/29/2003	11/29/2003	11/29/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2312020135	2312020134	2312020136	2312020138	2312020137	2312020139
	Sample Number	P 11-16-3 TO 11-22-3P 11-16-3 TO 11-22-3COMP 11-16/11-22-3P 11-23-3 TO 11-29-3P 11-23-3 TO 11-29-3COMP 11-23/11-29-3					
	Remarks	Superceded					

**Inorganics**

Perchlorate	ug/l	61 vd	24000 vd	97000 vd	1200 vd	24000 vd	120000 vd
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**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



# Analyses Summary Report

Site Name: Henderson

1/28/2004 1:08:16 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	12/3/2003	12/10/2003	12/17/2003
	Lab	MWL	MWL	MWL
	Lab Number	2312040111	2312110032	2312180014
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
	Remarks	Superseded		

Other				
Apparent Color	ACU	10 v	10 v	10 v
Total Dissolved Solids	mg/l	6330 v	6290 v	6350 v
Laboratory pH	s.u.	7.5 v	7.3 v	7.4 v
Metals				
Chromium	mg/l	0.0071 vd	0.0064 vd	0.0059 vd
Chromium-hexavalent	mg/l	0.013 v	0.012 v	0.005 u
Inorganics				
Percent Unionized Ammonia	%	1.73 v	1.1 v	1.38 v
25C				
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u
Chloride	mg/l	2000 vd	1900 vd	2200 vd
Nitrate (as N)	mg/l	16 vd	29 vd	24 vd
Nitrate/Nitrite	mg/l	16 v	29 v	24 v
Nitrite	mg/l	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.01 u	0.01 v	0.01 u
Chlorate	ug/l	120000 vd	130000 vd	140000 vd
Perchlorate	ug/l	89000 vd	98000 vd	99000 vd
Hydrocarbon				
Oil and grease	mg/l	11 v	5 u	5 u

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/28/2004 1:06:43 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent
Water	Sample Date	12/3/2003	12/10/2003	12/17/2003
	Lab	MWL	MWL	MWL
	Lab Number	2312040109	2312110030	2312180012
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks			
	Superceded			

### Other

Apparent Color	ACU	10 v	15 v	10 v
Total Dissolved Solids	mg/l	4350 v	4640 v	4460 v
Laboratory pH	s.u.	7.3 v	7.3 v	7.3 v

### Metals

Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.005 u	0.005 u	0.005 u

### Inorganics

Percent Unionized Ammonia	%	1.1 v	1.1 v	1.1 v
25C				
Ammonia (as N)	mg/l	0.056 v	0.073 v	0.06 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u
Chloride	mg/l	1200 vd	1300 vd	1300 vd
Nitrate (as N)	mg/l	4 ud	4.9 vd	4.5 vd
Nitrate/Nitrite	mg/l	0.2 u	4.97 v	4.56 v
Nitrite	mg/l	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.43 v	0.48 v	0.2 u
Total Phosphorus-P	mg/l	0.01 v	0.06 v	0.03 v
Chlorate	ug/l	29000 vd	37000 vd	33000 vd
Perchlorate	ug/l	23000 vd	25000 vd	24000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/28/2004 1:07:18 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	12/3/2003	12/10/2003	12/17/2003
	Lab	MWL	MWL	MWL
	Lab Number	2312040110	2312110031	2312180013
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded		

### Other

Apparent Color	ACU	3 v	3 v	5 v
Total Dissolved Solids	mg/l	5690 v	5800 v	5770 v
Total Suspended Solids	mg/l	10 u	10 u	10 u
Laboratory pH	s.u.	7.3 v	7.3 v	7.4 v

### Metals

Boron	mg/l	2.8 v	2.9 vd	2.9 vd
Chromium	mg/l	0.0056 vd	0.0054 vd	0.005 ud
Chromium-hexavalent	mg/l	0.01 v	0.009 v	0.005 u
Iron	mg/l	0.01 u	0.02 ud	0.02 ud
Manganese	mg/l	0.3 vd	0.28 vd	0.32 vd

### Inorganics

Percent Unionized Ammonia	%	1.1 v	1.1 v	1.38 v
25C				
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u
Chloride	mg/l	1700 vd	1800 vd	2000 vd
Nitrate (as N)	mg/l	14 vd	17 vd	12 vd
Nitrate/Nitrite	mg/l	14 v	17 v	12 v
Nitrite	mg/l	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.66 v	0.37 v	0.27 v
Total Phosphorus-P	mg/l	0.02 v	0.04 v	0.02 v
Chlorate	ug/l	96000 vd	110000 vd	120000 vd
Perchlorate	ug/l	300 vd	56 vd	6.6 v

### Radiologic

Gross Alpha	pCi/l	35 v	23 v	28 v
Ra-226 - soluble	pCi/l	0.5 v	0.3 u	0.5 v
Ra-228 - soluble	pCi/l	0.4 u	0.3 u	0.4 u

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/28/2004 1:11:34 PM

Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	12/20/2003	12/20/2003	12/20/2003	12/27/2003	12/27/2003	12/27/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2312300246	2312300247	2312300245	2312300249	2312300250	2312300248
	Sample Number	MP 12/14 TO 12/20/03	OMP 12/14-12/20/03	OMP 12/14-12/20/03	MP 12/21 TO 12/27/03	MP 12-21 TO 12/27/03	OMP 12/21-12/27/03
	Remarks	Superseded					

## Inorganics

Perchlorate	ug/l	18 vd	23000 vd	110000 vd	3200 vd	21000 vd	110000 vd
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### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

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**Analyses Summary Report**

Site Name: Henderson

1/28/2004 1:11:34 PM

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Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	12/6/2003	12/6/2003	12/6/2003	12/13/2003	12/13/2003	12/13/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2312300240	2312300241	2312300239	2312300243	2312300244	2312300242
	Sample Number	COMP 11/30 TO 12/6/3	MP 11/30 TO 12/6/03	COMP 11/30-12/6/03	COMP 12/7 TO 12/13/3	MP 12/7 TO 12/13/03	COMP 12/7-12/13/03
	Remarks	Superseded					

**Inorganics**

Perchlorate	ug/l	100 vd	26000 vd	98000 vd	70 vd	25000 vd	98000 vd
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See analytical flag codes on last page.

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LAS VEGAS

**ATTACHMENT 3**

**Las Vegas Wash  
Analytical**

-

**Facility Upgradient  
Groundwater Well  
Analytical**

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:34:25 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	10/6/2003	10/6/2003	10/6/2003	10/6/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310070021	2310070020	2310070019	2310070018
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

## Other

Apparent Color	ACU		15 v	15 v	15 v
Total Dissolved Solids	mg/l		1690 v	1690 v	1710 v

## Metals

Boron	mg/l		0.74 vd	0.66 vd	0.58 vd
Chromium	mg/l		0.0016 v	0.0022 v	0.0011 v
Copper	mg/l		0.0057 v	0.0065 v	0.0042 v
Iron	mg/l		0.43 vd	0.83 vd	0.2 ud
Manganese	mg/l		0.056 v	0.065 v	0.047 v
Molybdenum	mg/l		0.021 v	0.02 v	0.021 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.052 v	0.066 v	0.065 v
Chloride	mg/l		310 vd	310 vd	290 vd
Fluoride	mg/l		0.98 v	0.97 v	1 v
Nitrate (as N)	mg/l		12 vd	13 vd	14 vd
Nitrate/Nitrite	mg/l		12.1 v	13.1 v	14.1 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.34 v			
Perchlorate	ug/l	270 vd	78 vd	67 vd	31 vd

## Radiologic

Gross Alpha	pCi/l		4.8 v	4.2 v	3.7 v
Ra-226 - soluble	pCi/l		0.3 u	0.2 u	0.2 u
Ra-228 - soluble	pCi/l		0.4 u	0.4 u	0.4 u

## Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:36:25 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310230044	2310230041	2310230039	2310230038
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05LVW UPGRADIENT	
	Remarks	Superseded			

## Other

Apparent Color	ACU		15 v	15 v	15 v
Surfactants	mg/l		0.158 v	0.145 v	0.079 v
Total Dissolved Solids	mg/l		1690 v	1650 v	1500 v
Total Organic Carbon	mg/l		6.9 vd	6.1 vd	6 vd
Total Suspended Solids	mg/l		10 u	10 v	13 v
Laboratory pH	s.u.		8 v	8.1 v	8.1 v
1,2-Diphenylhydrazine	ug/l		10 u	10 u	10 u
bis(2-ethylhexyl)adipate	ug/l		0.6 u	0.6 u	0.6 u
Molinate	ug/l		0.2 u	0.2 u	0.2 u
Thiobencarb	ug/l		0.2 u	0.2 u	0.2 u
trans-Nonachlor	ug/l		0.05 u	0.05 u	0.05 u

## Metals

Antimony	mg/l		0.001 u	0.001 u	0.001 u
Arsenic	mg/l		0.0077 v	0.0032 v	0.0036 v
Barium	mg/l		0.058 v	0.13 v	0.126 v
Beryllium	mg/l		0.001 u	0.001 u	0.001 u
Boron	mg/l		0.68 vd	0.66 vd	0.55 vd
Cadmium	mg/l		0.0005 u	0.00097 v	0.0005 u
Chromium	mg/l		0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l		0.006 v	0.005 v	0.006 v
Copper	mg/l		0.01 ud	0.01 ud	0.01 ud
Iron	mg/l		0.24 vd	0.27 vd	0.15 vd
Magnesium	mg/l		78 v	77 v	72 v
Manganese	mg/l		0.042 vd	0.041 vd	0.033 vd
Mercury	mg/l		0.0002 u	0.0002 u	0.0002 u
Molybdenum	mg/l		0.028 vd	0.028 vd	0.03 vd
Nickel	mg/l		0.012 v	0.0061 v	0.005 v
Potassium	mg/l		26 v	25 v	24 v
Selenium	mg/l		0.005 u	0.005 u	0.005 u
Sodium	mg/l		260 v	250 v	230 v
Strontium	mg/l		2.9 v	2.8 v	2.4 v
Thallium	mg/l		0.001 u	0.001 u	0.001 u
Vanadium	mg/l		0.0072 v	0.0047 v	0.0043 v
Zinc	mg/l		0.038 v	0.016 v	0.0063 v
Arsenic III	ug/l		2.2 v	1.8 v	1.1 v
Lead	ug/l		0.5 u	0.5 u	0.5 u

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l		3 u	3 u	3 u
Chemical oxygen demand	mg/l		21 vd	18 vd	17 vd
Chloride	mg/l		370 vd	350 vd	300 vd
Fluoride	mg/l		1.1 v	1.1 v	1.1 v

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:36:25 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310230044	2310230041	2310230039	2310230038
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks				
	Superseded				

Nitrate (as N)	mg/l		15 vd	15 vd	15 vd
Nitrate/Nitrite	mg/l		15 v	15 v	15 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Sulfate	mg/l		670 vd	660 vd	590 vd
sulfide	mg/l		0.1 u	0.1 u	0.1 u
Total Phosphorus-P	mg/l	0.12 v	0.15 v	0.17 v	0.16 v
Chlorate	ug/l		1600 vd	1200 vd	52 v
Perchlorate	ug/l	230 vd	80 vd	57 vd	13 v

### Radiologic

Gross Alpha	pCi/l		5.1 v	5.8 v	5.8 v
Ra-226 - soluble	pCi/l		0.3 v	0.5 v	0.7 v
Ra-228 - soluble	pCi/l		0.3 u	0.4 u	0.4 u

### Dioxins and Furans

Tetrahydrofuran	ug/l		10 u	10 u	10 u
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### Herbicides

2,4,5-T	ug/l		0.4 u	0.4 u	0.4 u
2,4,5-TP (Silvex)	ug/l		0.4 u	0.4 u	0.4 u
2,4-D	ug/l		0.4 u	0.4 u	0.4 u
2,4-DB	ug/l		0.4 u	0.4 u	0.4 u
Butachlor	ug/l		0.05 u	0.05 u	0.05 u
Dalapon	ug/l		0.4 u	0.4 u	0.4 u
Dicamba	ug/l		0.4 u	0.4 u	0.4 u
Dichlorprop	ug/l		0.4 u	0.4 u	0.4 u
Dinoseb	ug/l		0.4 u	0.4 u	0.4 u
Metolachlor	ug/l		0.05 u	0.05 u	0.05 u
Metribuzin	ug/l		0.05 u	0.05 u	0.05 u
Prometryn	ug/l		0.5 u	0.5 u	0.5 u

### Hydrocarbon

Oil and grease	mg/l		5 u	5 u	5 u
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### PCBs

Aroclor-1016	ug/l		0.5 u	0.5 u	0.5 u
Aroclor-1221	ug/l		0.5 u	0.5 u	0.5 u
Aroclor-1232	ug/l		0.5 u	0.5 u	0.5 u
Aroclor-1242	ug/l		0.5 u	0.5 u	0.5 u
Aroclor-1248	ug/l		0.5 u	0.5 u	0.5 u
Aroclor-1254	ug/l		0.5 u	0.5 u	0.5 u
Aroclor-1260	ug/l		0.5 u	0.5 u	0.5 u

### Pesticides

4,4-DDD	ug/l		0.02 u	0.02 u	0.02 u
4,4-DDE	ug/l		0.02 u	0.02 u	0.02 u
4,4-DDT	ug/l		0.02 u	0.02 u	0.02 u
Aldrin	ug/l		0.05 u	0.05 u	0.05 u
Alpha-BHC	ug/l		0.02 u	0.02 u	0.02 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:36:25 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310230044	2310230041	2310230039	2310230038
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

Alpha-chlordane	ug/l		0.05 u	0.05 u	0.05 u
Beta-BHC	ug/l		0.02 u	0.02 u	0.02 u
Bromacil	ug/l		0.2 u	0.2 u	0.2 u
Delta-BHC	ug/l		0.02 u	0.02 u	0.02 u
Diazinon	ug/l		0.1 u	0.1 u	0.1 u
Dieldrin	ug/l		0.2 u	0.2 u	0.2 u
Endosulfan I	ug/l		0.02 u	0.02 u	0.02 u
Endosulfan II	ug/l		0.02 u	0.02 u	0.02 u
Endosulfan Sulfate	ug/l		0.02 u	0.02 u	0.02 u
Endrin	ug/l		0.1 u	0.1 u	0.1 u
Endrin Aldehyde	ug/l		0.02 u	0.02 u	0.02 u
Endrin Ketone	ug/l		0.5 u	0.5 u	0.5 u
Gamma-BHC (Lindane)	ug/l		0.02 u	0.02 u	0.02 u
Gamma-Chlordane	ug/l		0.05 u	0.05 u	0.05 u
Heptachlor	ug/l		0.04 u	0.04 u	0.04 u
Heptachlor Epoxide	ug/l		0.02 u	0.02 u	0.02 u
Methoxychlor	ug/l		0.1 u	0.1 u	0.1 u
Mirex	ug/l		0.05 u	0.05 u	0.05 u
Propachlor	ug/l		0.05 u	0.05 u	0.05 u
Simazine	ug/l		0.05 u	0.05 u	0.05 u
Tech-Chlordane	ug/l		0.2 u	0.2 u	0.2 u
Toxaphene	ug/l		0.5 u	0.5 u	0.5 u
Trifluralin	ug/l		0.1 u	0.1 u	0.1 u
<b>SVOAs</b>					
2,4,5-Trichlorophenol	mg/l		0.005 u	0.005 u	0.005 u
2,4-Dichlorophenol	mg/l		0.005 u	0.005 u	0.005 u
2,4-Dinitrotoluene	mg/l		0.005 u	0.005 u	0.005 u
2,6-Dinitrotoluene	mg/l		0.005 u	0.005 u	0.005 u
2-Chloronaphthalene	mg/l		0.005 u	0.005 u	0.005 u
2-Methylnaphthalene	mg/l		0.005 u	0.005 u	0.005 u
2-Methylphenol	mg/l		0.005 u	0.005 u	0.005 u
2-Nitroaniline	mg/l		0.01 u	0.01 u	0.01 u
2-Nitrophenol	mg/l		0.005 u	0.005 u	0.005 u
3,3-Dichlorobenzidine	mg/l		0.05 u	0.05 u	0.05 u
3-Nitroaniline	mg/l		0.02 u	0.02 u	0.02 u
4,6-Dinitro-2-methylphenol	mg/l		0.05 u	0.05 u	0.05 u
4-Bromophenyl-phenylether	mg/l		0.005 u	0.005 u	0.005 u
4-Chloroaniline	mg/l		0.005 u	0.005 u	0.005 u
4-Chlorophenyl-phenylether	mg/l		0.005 u	0.005 u	0.005 u
4-Methylphenol	mg/l		0.005 u	0.005 u	0.005 u
4-Nitroaniline	mg/l		0.02 u	0.02 u	0.02 u
4-Nitrophenol	mg/l		0.01 u	0.01 u	0.01 u
Acenaphthene	mg/l		0.005 u	0.005 u	0.005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:36:25 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310230044	2310230041	2310230039	2310230038
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

Aniline	mg/l		0.005 u	0.005 u	0.005 u
Anthracene	mg/l		0.005 u	0.005 u	0.005 u
Benzidine	mg/l		0.05 u	0.05 u	0.05 u
Benzo(g,h,i)perylene	mg/l		0.01 u	0.01 u	0.01 u
Benzo(k)fluoranthene	mg/l		0.005 u	0.005 u	0.005 u
Benzoic acid	mg/l		0.05 u	0.05 u	0.05 u
Benzyl alcohol	mg/l		0.005 u	0.005 u	0.005 u
bis(2-Chloroethoxy)methane	mg/l		0.01 u	0.01 u	0.01 u
bis(2-Chloroethyl)ether	mg/l		0.01 u	0.01 u	0.01 u
bis(2-Chloroisopropyl)ether	mg/l		0.01 u	0.01 u	0.01 u
bis(2-Ethylhexyl)phthalate	mg/l		0.004 u	0.004 u	0.004 u
Butyl benzyl phthalate	mg/l		0.005 u	0.005 u	0.005 u
Chrysene	mg/l		0.005 u	0.005 u	0.005 u
Dibenzofuran	mg/l		0.005 u	0.005 u	0.005 u
Diethyl phthalate	mg/l		0.005 u	0.005 u	0.005 u
Dimethoate	mg/l		0.01 u	0.01 u	0.01 u
Dimethyl phthalate	mg/l		0.005 u	0.005 u	0.005 u
Di-N-Butyl phthalate	mg/l		0.01 u	0.01 u	0.01 u
Di-N-Octyl phthalate	mg/l		0.01 u	0.01 u	0.01 u
Fluorene	mg/l		0.005 u	0.005 u	0.005 u
Hexachlorobenzene	mg/l		0.005 u	0.005 u	0.005 u
Hexachlorobutadiene	mg/l		0.01 u	0.01 u	0.01 u
Hexachlorocyclopentadiene	mg/l		0.01 u	0.01 u	0.01 u
Hexachloroethane	mg/l		0.005 u	0.005 u	0.005 u
Isophorone	mg/l		0.005 u	0.005 u	0.005 u
Nitrobenzene	mg/l		0.005 u	0.005 u	0.005 u
N-Nitrosodimethylamine	mg/l		0.005 u	0.005 u	0.005 u
N-Nitroso-di-N-propylamine	mg/l		0.005 u	0.005 u	0.005 u
N-Nitrosodiphenylamine	mg/l		0.005 u	0.005 u	0.005 u
Pyrene	mg/l		0.005 u	0.005 u	0.005 u
2,4,6-Trichlorophenol	ug/l		5 u	5 u	5 u
2,4-Dimethylphenol	ug/l		5 u	5 u	5 u
2,4-Dinitrophenol	ug/l		50 u	50 u	50 u
2-Chlorophenol	ug/l		5 u	5 u	5 u
Acenaphthylene	ug/l		5 u	5 u	5 u
Alachlor	ug/l		0.05 u	0.05 u	0.05 u
Atrazine	ug/l		0.05 u	0.05 u	0.05 u
Benz(a)anthracene	ug/l		5 u	5 u	5 u
Benzo(a)pyrene	ug/l		5 u	5 u	5 u
Benzo(b)fluoranthene	ug/l		5 u	5 u	5 u
Caffeine	ug/l		0.05 u	0.05 u	0.05 u
Dibenz(a,h)anthracene	ug/l		10 u	10 u	10 u
Fluoranthene	ug/l		5 u	5 u	5 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:36:25 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310230044	2310230041	2310230039	2310230038
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks				
	Superseded				

Indeno(1,2,3-cd)pyrene	ug/l		10 u	10 u	10 u
Naphthalene	ug/l		5 u	5 u	5 u
p-Chloro-m-cresol	ug/l		5 u	5 u	5 u
Pentachlorophenol	ug/l		20 u	20 u	20 u
Phenanthrene	ug/l		5 u	5 u	5 u
Phenol	ug/l		5 u	5 u	5 u

### VOAs

1,1,1-Trichloroethane	mg/l		0.0005 u	0.0005 u	0.0005 u
1,1,2,2-Tetrachloroethane	mg/l		0.0005 u	0.0005 u	0.0005 u
1,1,2-Trichloroethane	mg/l		0.0005 u	0.0005 u	0.0005 u
1,1-Dichloroethane	mg/l		0.0005 u	0.0005 u	0.0005 u
1,1-Dichloroethene	mg/l		0.0005 u	0.0005 u	0.0005 u
1,2,4-Trichlorobenzene	mg/l		0.005 u	0.005 u	0.005 u
1,2-Dichlorobenzene	mg/l		0.005 u	0.005 u	0.005 u
1,2-Dichloroethane	mg/l		0.0005 u	0.0005 u	0.0005 u
1,2-Dichloropropane	mg/l		0.0005 u	0.0005 u	0.0005 u
1,3-Dichlorobenzene	mg/l		0.005 u	0.005 u	0.005 u
1,4-Dichlorobenzene	mg/l		0.005 u	0.005 u	0.005 u
2-Hexanone	mg/l		0.01 u	0.01 u	0.01 u
4-Methyl-2-pentanone	mg/l		0.01 u	0.01 u	0.01 u
Acetone	mg/l		0.01 u	0.01 u	0.01 u
Acrolein	mg/l		0.05 u	0.05 u	0.05 u
Acrylonitrile	mg/l		0.05 u	0.05 u	0.05 u
Bromodichloromethane	mg/l		0.0014 v	0.0014 v	0.0011 v
Bromoform	mg/l		0.0005 u	0.0005 u	0.0005 u
Bromomethane	mg/l		0.0005 u	0.0005 u	0.0005 u
Carbon disulfide	mg/l		0.0005 u	0.0005 u	0.0005 u
Carbon tetrachloride	mg/l		0.0005 u	0.0005 u	0.0005 u
Chlorobenzene	mg/l		0.0005 u	0.0005 u	0.0005 u
Chloroethane	mg/l		0.0005 u	0.0005 u	0.0005 u
Chloroform	mg/l		0.0031 v	0.0029 v	0.0025 v
Chloromethane	mg/l		0.0005 u	0.0005 u	0.0005 u
cis-1,2-Dichloroethene	mg/l		0.0005 u	0.0005 u	0.0005 u
cis-1,3-Dichloropropene	mg/l		0.0005 u	0.0005 u	0.0005 u
Dibromochloromethane	mg/l		0.0008 v	0.0007 v	0.0006 v
Dichlorodifluoromethane	mg/l		0.0005 u	0.0005 u	0.0005 u
m,p-Xylene	mg/l		0.0005 u	0.0005 u	0.0005 u
Methyl ethyl ketone	mg/l		0.01 u	0.01 u	0.01 u
Methylene chloride	mg/l		0.003 u	0.003 u	0.003 u
o-Xylene	mg/l		0.0005 u	0.0005 u	0.0005 u
Styrene	mg/l		0.0005 u	0.0005 u	0.0005 u
Tetrachloroethene	mg/l		0.0005 u	0.0005 u	0.0005 u
trans-1,2-Dichloroethylene	mg/l		0.0005 u	0.0005 u	0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:36:25 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	10/22/2003	10/22/2003	10/22/2003	10/22/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2310230044	2310230041	2310230039	2310230038
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks				
	Superseded				

trans-1,3-Dichloropropene	mg/l		0.0005 u	0.0005 u	0.0005 u
Trichloroethene	mg/l		0.0005 u	0.0005 u	0.0005 u
Trichlorofluoromethane	mg/l		0.0005 u	0.0005 u	0.0005 u
Vinylacetate	mg/l		0.01 u	0.01 u	0.01 u
Vinylchloride	mg/l		0.0005 u	0.0005 u	0.0005 u
Benzene	ug/l		0.5 u	0.5 u	0.5 u
Ethylbenzene	ug/l		0.5 u	0.5 u	0.5 u
Toluene	ug/l		0.5 u	0.5 u	0.5 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:28:27 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	11/5/2003	11/5/2003	11/5/2003	11/5/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2311060045	2311060044	2311060043	2311060042
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

### Other

Apparent Color	ACU		15 v	15 v	15 v
Total Dissolved Solids	mg/l		1680 v	1670 v	1680 v

### Metals

Boron	mg/l		0.69 vd	0.66 vd	0.69 vd
Chromium	mg/l		0.001 u	0.001 u	0.001 u
Copper	mg/l		0.0038 v	0.0033 v	0.0033 v
Iron	mg/l		0.21 vd	0.21 vd	0.3 vd
Manganese	mg/l		0.046 v	0.045 v	0.052 v
Molybdenum	mg/l		0.023 v	0.022 v	0.022 v

### Inorganics

Ammonia (as N)	mg/l	0.391 v	0.05 u	0.05 u	0.05 u
Chloride	mg/l		310 vd	310 vd	320 vd
Fluoride	mg/l		1.1 v	1.1 v	1.1 v
Nitrate (as N)	mg/l		14 vd	14 vd	15 vd
Nitrate/Nitrite	mg/l		14 v	14 v	15 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.22 v			
Perchlorate	ug/l	240 vd	91 vd	93 vd	44 vd

### Radiologic

Gross Alpha	pCi/l		6.7 v	3.1 v	2.81 u
Ra-226 - soluble	pCi/l		0.2 v	0.3 u	0.2 u
Ra-228 - soluble	pCi/l		0.3 u	0.3 u	0.3 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:28:57 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	11/19/2003	11/19/2003	11/19/2003	11/19/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2311200008	2311200007	2311200006	2311200005
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks				
	Superseded				

### Other

Apparent Color	ACU		15 v	15 v	15 v
Total Dissolved Solids	mg/l		1720 v	1710 v	1720 v

### Metals

Boron	mg/l		0.7 vd	0.72 vd	0.68 vd
Chromium	mg/l		0.005 ud	0.005 ud	0.005 ud
Copper	mg/l		0.01 ud	0.01 ud	0.01 ud
Iron	mg/l		0.35 vd	0.31 vd	0.38 vd
Manganese	mg/l		0.063 vd	0.064 vd	0.073 vd
Molybdenum	mg/l		0.023 vd	0.023 vd	0.025 vd

### Inorganics

Ammonia (as N)	mg/l	0.083 v	0.184 v	0.174 v	0.165 v
Chloride	mg/l		320 vd	320 vd	310 vd
Fluoride	mg/l		1.1 v	1.1 v	1.1 v
Nitrate (as N)	mg/l		13 vd	13 vd	14 vd
Nitrate/Nitrite	mg/l		13.2 v	13.2 v	14.2 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.3 v			
Perchlorate	ug/l	220 vd	87 vd	87 vd	38 vd

### Radiologic

Gross Alpha	pCi/l		4.6 v	5.9 v	5.6 v
Ra-226 - soluble	pCi/l		0.2 u	0.1 u	0.2 v
Ra-228 - soluble	pCi/l		0.3 u	0.3 u	0.3 u

### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	h	Pass
i	Insufficient sample	j	Est. value; conc. < quan. limit	k	Fail
l	Less than detection limit	m	Matrix interference	n	Not measured
p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value	s	Surrogate
t	Trace amount	u	Not detected	v	Detected value
w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits	y	Calculated Value
z	Unknown				

# Analyses Summary Report

Site Name: Henderson

1/26/2004 9:29:54 PM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	12/3/2003	12/3/2003	12/3/2003	12/3/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2312040115	2312040114	2312040113	2312040112
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

### Other

Apparent Color	ACU		15 v	15 v	15 v
Total Dissolved Solids	mg/l		1750 v	1760 v	1790 v

### Metals

Boron	mg/l		0.71 vd	0.7 vd	0.73 vd
Chromium	mg/l		0.005 ud	0.005 ud	0.005 ud
Copper	mg/l		0.01 ud	0.01 ud	0.01 ud
Iron	mg/l		0.16 vd	0.14 vd	0.16 vd
Manganese	mg/l		0.048 vd	0.053 vd	0.048 vd
Molybdenum	mg/l		0.023 vd	0.024 vd	0.021 vd

### Inorganics

Ammonia (as N)	mg/l	0.05 u	0.057 v	0.06 v	0.05 u
Chloride	mg/l		330 vd	330 vd	320 vd
Fluoride	mg/l		1.1 v	1.1 v	1.1 v
Nitrate (as N)	mg/l		13 vd	13 vd	15 vd
Nitrate/Nitrite	mg/l		13.1 v	13.1 v	15 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.29 v			
Perchlorate	ug/l	220 vd	98 vd	98 vd	46 vd

### Radiologic

Gross Alpha	pCi/l		3.2 v	3.2 v	3.4 v
Ra-226 - soluble	pCi/l		0.2 u	0.2 u	0.3 u
Ra-228 - soluble	pCi/l		0.4 u	0.4 u	0.4 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btwn CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



# Analyses Summary Report

Site Name: Henderson

1/29/2004 10:08:40 AM

Sample Type:	Station (Site)	LVW 0.55	LVW 5.5	LVW 6.05	LVW Upgradient
Water	Sample Date	12/17/2003	12/17/2003	12/17/2003	12/17/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2312180018	2312180017	2312180016	2312180015
	Sample Number	LVW 0.55	LVW 5.5	LVW 6.05	LVW UPGRADIENT
	Remarks	Superseded			

### Other

Apparent Color	ACU		15 v	15 v	15 v
Total Dissolved Solids	mg/l		1750 v	1700 v	1740 v

### Metals

Boron	mg/l		0.7 vd	0.66 vd	0.67 vd
Chromium	mg/l		0.001 u	0.001 u	0.0057 v
Copper	mg/l		0.0059 v	0.0052 v	0.006 v
Iron	mg/l		0.25 vd	0.23 vd	0.3 vd
Manganese	mg/l		0.053 v	0.048 v	0.056 v
Molybdenum	mg/l		0.022 v	0.021 v	0.02 v

### Inorganics

Ammonia (as N)	mg/l	0.05 u	0.157 v	0.188 v	0.2 v
Chloride	mg/l		340 vd	330 vd	330 vd
Fluoride	mg/l		1 v	1 v	1.1 v
Nitrate (as N)	mg/l		14 vd	14 vd	16 vd
Nitrate/Nitrite	mg/l		14.2 v	14.2 v	16.2 v
Nitrite	mg/l		0.5 ud	0.5 ud	0.5 ud
Total Phosphorus-P	mg/l	0.15 v			
Perchlorate	ug/l	210 vd	94 vd	88 vd	36 vd

### Radiologic

Gross Alpha	pCi/l		4.1 v	5.8 v	3.5 v
Ra-226 - soluble	pCi/l		0.2 v	0.2 u	0.3 v
Ra-228 - soluble	pCi/l		0.3 u	0.4 u	0.4 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	h Pass
i Insufficient sample	j Est. value; conc. < quan. limit	k Fail
l Less than detection limit	m Matrix interference	n Not measured
p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value	s Surrogate
t Trace amount	u Not detected	v Detected value
w Btw CRDL/IDL	x Surrogate diluted but within QC limits	y Calculated Value
z Unknown		



**KERR-McGEE CHEMICAL LLC**

POST OFFICE BOX 55 - HENDERSON, NEVADA 89009

11/17/03  
Re: [unclear]  
[Signature]

November 13, 2003

2003 NOV 17 AM 7: 41

DNPR/NDEP  
LAS VEGAS

Brian Rakvica  
Nevada Division of Environmental Protection  
1771 East Flamingo, Suite 121-A  
Las Vegas, NV 89119

Dear Mr. Rakvica:

Subject: Third Quarter 2003 - UIC Permit 94218 Report

In response to your correspondence of October 20, 2003 (attached for your reference) Kerr-McGee Chemical LLC (Kerr-McGee) requested the contract laboratory provide an evaluation of the total chromium and hexavalent chromium analytical information provided in the UIC permit NEV94218 third quarter report. Their response is also attached. Based upon their response, it is evident that there is no error in reporting. Information provided in the third quarter 2003 UIC report is within the analytical method accuracy bounds. The analytical methods have been EPA approved for the analytes at issue.

Please feel free to contact me at (702) 651-2234 if you have any questions related to this information. Thank you.

Sincerely,

Susan M. Crowley  
Staff Environmental Specialist

By Express Mail

Attachments

- cc: ~~Todd Croft, NDEP (Las Vegas)~~  
Jennifer Carr, NDEP  
Jon Palm, NDEP  
Val King, NDEP  
LK Bailey  
FRStater  
D Ward  
Andrew Eaton, MWH Laboratories  
Linda Geddes, MWH Laboratories

Administration  
Water Pollution Control  
Air Quality  
(702) 486-2850

Federal Facilities  
Corrective Actions  
Waste Management  
Facsimile 486-2863



DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
**DIVISION OF ENVIRONMENTAL PROTECTION**  
(Las Vegas Office)  
1771 East Flamingo Road, Suite 121-A  
Las Vegas, Nevada 89119-0837

October 20, 2003

Susan M. Crowley  
Kerr-McGee Chemical LLC  
PO Box 55  
Henderson, Nevada 89009

RE: Third Quarter 2003, Quarterly Report UIC Permit # NEV94218  
Kerr-McGee Chemical LLC  
NDEP Facility ID # H-000539

Dear Ms. Crowley:

Our office is in receipt of your third quarter report regarding the UIC Permit #NEV94218 for the Kerr-McGee facility located in Henderson, Nevada. The values presented for hexavalent chromium exceed the values presented for total chromium. This problem appears to have occurred consistently since December 2002. Please provide justification for these apparent errors and a schedule for resolution of this issue. A written response is expected by November 21, 2003.

Please contact me if there are any questions or comments.

Sincerely,

A handwritten signature in cursive script, appearing to read "Brian A. Rakvica".

Brian A. Rakvica, P.E.  
Staff Engineer III  
Bureau of Corrective Actions  
NDEP-Las Vegas Office

cc: Todd Croft, BCA, NDEP, Las Vegas.  
Jeff Johnson, BCA, NDEP, Carson City  
Jennifer Carr, BCA, NDEP, Carson City  
Jon Palm, BWPC, NDEP, Carson City  
Val King, BWPC, NDEP, Carson City



October 31, 2003

Ms. Susan Crowley  
Kerr-McGee Chemical LLC  
P.O. Box 55  
Henderson, NV 89009

Subject: Hexavalent Chromium vs. Total Chromium Results

Dear Ms. Crowley:

MWH Laboratories analyzes hexavalent chromium for Kerr-McGee using a colorimetric method, SW 7196. The expected Relative Percent Difference (RPD) for this method is 10-20%. The samples are typically diluted because the linear range only goes up to 0.1 mg/L, adding additional error to the results depending on the size of the dilution.

The total chromium was analyzed using ICAP, EPA Method 200.7 or ICP-MS, EPA Method 200.8. The expected RPD for both of these methods are in the 10-20% range as well. The samples were also diluted for these methods adding additional error.

Enclosed is a table comparing the hexavalent chromium results with the total chromium results. In only 2 cases is the RPD above 20%. In one case it is a sample that required extensive dilution for both total chrome and hexavalent chrome. In the other case, the result for total chrome is very close to the reporting limit and it is possible that the hexavalent chrome was the result of a contaminated equipment blank.

In all other cases the results are within the expected error, assuming that all of the chromium is hexavalent chromium.

Please feel free to forward this information to your regulator. Call me if you have any questions.

Very truly yours,

Linda Geddes  
Project Manager

Kerr-McGee  
 3rd Q Hexavalent Chromium  
 vs.  
 Total Chromium Data

SAMPLE #	SAMPLE ID	CR-VI, mg/L	CR-VI DF	CR-MS, ug/L	CR-MS DF	CR, mg/L	CR DF	% RPD
2307090311	M-44	1.61	50	1600	5			0.62
2307090315	M-94	1.49	50	1300	10			14
2307110090	M-36	43.5	500			35	10	22
2307110091	EB-2	0.014	1			<0.010	1	33
2307110093	M-100	1.45	50			1.4	2	3.5
2307110103	MD-2	1.45	50			1.4	2	3.5
2307110106	M-84	1.5	50			1.3	2	14
2307080240	M-11	6.7	500			7	5	4.4
2307080241	M-12A	21.4	500			20	10	6.8



# KERR-McGEE CHEMICAL LLC

POST OFFICE BOX 55 - HENDERSON, NEVADA 89009

October 27, 2003

Compliance Coordinator  
State of Nevada  
Division of Environmental Protection  
Bureau of Water Permits & Compliance  
333 W. Nye Lane  
Carson City, Nevada 89710

SUBJECT: Discharge Monitoring Report (DMR)  
Third Quarter 2003 - NPDES Permit NV 0023060

Dear Gentlemen:

Kerr-McGee Chemical LLC (Kerr-McGee) maintains an NPDES Permit, #0023060, for discharge of water treated as part of their ongoing effort to remediate perchlorate in the Henderson area. The attached DMRs (Attachment 1) reflect information associated with the perchlorate remediation efforts, i.e. discharge of treated surface water near the Las Vegas Wash. Supporting analytical sheets, including summary analytical tables, are included as well (Attachment 2). Please note that analyses of "Attachment A" analytes, for the treated discharge, indicate that there is no significant increase in "other constituents" due to the ion exchange (IX) treatment. This was expected due to the focused nature of ion exchange (IX) based perchlorate removal process. This treatment technology is based upon single use selective resin which is specific for perchlorate, and as expected, did not give appreciably different "other constituent" loading in the discharge compared to the intake.

Listed separately are analytical results for four Las Vegas Wash locations, which require analyses to evaluate the mixing zone (Attachment 3) as well as the upgradient on-site groundwater well (Attachment 3).

As we previously informed NDEP representatives by telephone, concentrations of hexavalent chromium have increased in the Athens Road recovery wells. Laboratory testing has been successful in reducing the chromium levels. Jon Palm, NDEP, gave approval last week for full scale testing of the process on the Athens Road groundwater. We will continue to keep the agency informed.

Should you have any questions concerning this report, please contact me at (702) 651-2234. Thank you.

Sincerely,

Susan M. Crowley  
Staff Environmental Specialist

By Airborne Express

cc: LKBailey  
J Dixon, w/o analytical attachment  
FRStater, w/o analytical attachment  
R Waters, w/o analytical attachment  
Todd Croft, NDEP (Las Vegas)  
Terry Maize, NDEP w/o analytical attachment  
Jim Najima, NDEP w/o analytical attachment  
Brian Rakvica, NDEP, w/o analytical attachment  
Doug Zimmerman, NDEP, w/o analytical attachment  
Mike Goff, SNWA

2003 NOV - 3 AM 9:36

**ATTACHMENT 1**

**Discharge Monitoring  
Reports (DMR)**

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 03 | 07 | 01 TO 03 | 07 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	SAMPLE MEASUREMENT	1.22					0	Cont	Flow Meter
	PERMIT REQUIREMENT	1.22 MGD Maximum							
Effluent	SAMPLE MEASUREMENT			99.5	99.0	1.73	0	Weekly	Comp
	PERMIT REQUIREMENT			97% Removal of effluent	3 ppm in effluent	Monitor & Report			
% Removal	SAMPLE MEASUREMENT			ND	ND		0	Weekly	Discrete
	PERMIT REQUIREMENT			25 mg/l Maximum	45 mg/l Maximum				
BOD <sub>5</sub> (inhibited)	SAMPLE MEASUREMENT			7.3	7.3		0	Weekly	Discrete
	PERMIT REQUIREMENT			6.5 Minimum	9.0 Maximum				
Effluent Gross Value	SAMPLE MEASUREMENT			ND	ND		0	Weekly	Discrete
	PERMIT REQUIREMENT			10 mg/l	Monitor & Report				
pH	SAMPLE MEASUREMENT			0.35	0.39		0	Weekly	Discrete
	PERMIT REQUIREMENT			5 mg/l	Monitor & Report				
Iron, Total	SAMPLE MEASUREMENT			2.90	2.90		0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report				
Effluent	SAMPLE MEASUREMENT			Monitor & Report	Monitor & Report				
	PERMIT REQUIREMENT								
Manganese	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
Effluent	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
Boron	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
Effluent	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Susan Crowley</i>									
TELEPHONE DATE 702-651-2200 03   10   27									
AREA CODE NUMBER YEAR MO DAY 702-651-2200 03   10   27									

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL CORP.  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

FACILITY: KERR-McGEE CHEMICAL CORP.  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

MONITORING PERIOD  
 FROM 03 07 01 TO 03 07 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----	-----	0.027	0.060	-----	mg/l	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
Total Phosphorus, as P	SAMPLE MEASUREMENT	-----	-----	0.035	0.040	0.08	mg/l	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----	-----	7.50	11.00	-----	mg/l	0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT	-----	-----	7.80	8.40	-----	mg/l	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
Nitrate, as N	SAMPLE MEASUREMENT	-----	-----	7.50	11.00	-----	mg/l	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	ND	ND	0.00	mg/l	0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor and Report						
Attachment A	SAMPLE MEASUREMENT	-----	-----	Please see attached results						
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE		
Susan Crowley										
Staff Environmental Specialist							702-651-2200	03   10   27		
TYPED OR PRINTED							AREA CODE NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

Form by WindowChem707864-9845.ppt11090.v6.01/4/1998

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL CORP.  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

FACILITY: KERR-McGEE CHEMICAL CORP.  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 | 07 | 01 TO 03 | 07 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Unionized Ammonia, as N Influent	SAMPLE MEASUREMENT	---		1.1	1.1	---	%	Weekly	Calc	
	PERMIT REQUIREMENT	---		Monitor & Report	---	---				
Unionized Ammonia, as N Effluent	SAMPLE MEASUREMENT	---		1.1	1.1	---	%	Weekly	Calc	
	PERMIT REQUIREMENT	---		Monitor & Report	---	---				
Hexavalent Chromium Influent	SAMPLE MEASUREMENT	---		0.030	0.040	---	mg/l	Weekly	Discrete	
	PERMIT REQUIREMENT	---		Monitor & Report	---	---				
Hexavalent Chromium Effluent	SAMPLE MEASUREMENT	---		0.025	0.033	---	mg/l	Weekly	Discrete	
	PERMIT REQUIREMENT	---		Monitor & Report	0.01 mg/l	---				
Total Chromium Influent	SAMPLE MEASUREMENT	---		0.030	0.040	---	mg/l	Weekly	Discrete	
	PERMIT REQUIREMENT	---		Monitor & Report	---	---				
Total Chromium Effluent	SAMPLE MEASUREMENT	---		0.023	0.031	---	mg/l	Weekly	Discrete	
	PERMIT REQUIREMENT	---		Monitor & Report	0.10 mg/l	---				
Total Suspended Solids Effluent	SAMPLE MEASUREMENT	---		3	10	---	mg/l	Weekly	Discrete	
	PERMIT REQUIREMENT	---		135 mg/l	Monitor & Report	---				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		Susan Crowley						TELEPHONE	DATE	
Typed or Printed		Signature of Susan Crowley						702-651-2200	03   10   27	
COMMENT AND EXPLANATION OF ANY VIOLATIONS		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE NUMBER	YEAR MO DAY	

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY KNOWLEDGE OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 07 01 TO 03 07 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNIT	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)					
Color	SAMPLE MEASUREMENT	-----	-----	-----	11	-----	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
Influent	SAMPLE MEASUREMENT	-----	-----	-----	3	-----	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
Total Dissolved Solids	SAMPLE MEASUREMENT	-----	-----	-----	6,300	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
Influent	SAMPLE MEASUREMENT	-----	-----	-----	6,050	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
Sulfide	SAMPLE MEASUREMENT	-----	-----	-----	ND	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
Influent	SAMPLE MEASUREMENT	-----	-----	-----	ND	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
Sulfide	SAMPLE MEASUREMENT	-----	-----	-----	6.44	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
Dissolved Oxygen	SAMPLE MEASUREMENT	-----	-----	-----	7.30	-----	mg/l	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
Effluent	SAMPLE MEASUREMENT	-----	-----	-----	Monitor & Report	-----	-----				
	PERMIT REQUIREMENT	-----	-----	-----	Monitor & Report	-----	-----				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED										TELEPHONE 702-651-2200 AREA CODE NUMBER 702-651-2200	DATE 03   10   27 YEAR MO DAY

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSIST THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
*Susan Crowley*  
 OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL CORP.**  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE NUMBER  
001

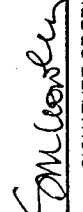
PERMIT NUMBER  
NV 0023060

**FACILITY:** Kerr-McGee Chemical Corp  
**LOCATION:** Henderson, NV  
**Attn:** Susan Crowley

MONITORING PERIOD  
 FROM 03 | 07 | 01 TO 03 | 07 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Oil & Grease Influent	SAMPLE MEASUREMENT	-----		ND	ND	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----			
Oil & Grease Effluent	SAMPLE MEASUREMENT	-----		ND	ND	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----			
TKN (as N) Influent	SAMPLE MEASUREMENT	-----		0.01	0.36	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----			
TKN (as N) Effluent	SAMPLE MEASUREMENT	-----		0.31	0.33	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----			
Chloride Influent	SAMPLE MEASUREMENT	-----		2,113	2,400	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----			
Chloride Effluent	SAMPLE MEASUREMENT	-----		2,050	2,100	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----			
Chlorate Influent	SAMPLE MEASUREMENT	-----		138	170	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----	-----			
<small>CREDIT UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</small>									
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE		DATE		
Susan Crowley									
Staff Environmental Specialist		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			702-651-2200		03   10   27		
TYPED OR PRINTED					AREA CODE NUMBER		YEAR MO DAY		
					800-651-2200		03   10   27		

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD

FROM 03 07 01 TO 03 07 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Chlorate	SAMPLE MEASUREMENT	-----	-----	127	130	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	-----	-----			
Effluent	SAMPLE MEASUREMENT	-----	-----	ND	ND	-----	pCi/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	-----	-----			
Gross Alpha	SAMPLE MEASUREMENT	-----	-----	15.6	26.0	-----	pCi/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	-----	-----			
BOD <sub>5</sub> (inhibited)	SAMPLE MEASUREMENT	-----	-----	ND	ND	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	25 mg/l Maximum	45 mg/l Maximum	-----			
Influent Gross Value	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----			
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	-----	-----			
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----			
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	-----	-----			
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----			
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	-----	-----			
	SAMPLE MEASUREMENT	-----	-----	-----	-----	-----			
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	-----	-----			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Susan Crowley</i> TELEPHONE: 702-651-2200 DATE: 03   10   27									
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)									

PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 03 09 01 TO 03 09 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Flow	1.22	1.22	MGD	99.8	99.5	0.44	0	Cont	Flow Meter
Effluent	SAMPLE MEASUREMENT	1.22 MGD							
	PERMIT REQUIREMENT	1.4 MGD Maximum							
Perchlorate (IX)	SAMPLE MEASUREMENT								
% Removal	PERMIT REQUIREMENT			97% Removal of 3 ppm in effluent		Monitor & Report			
BOD <sub>5</sub> (inhibited)	SAMPLE MEASUREMENT			ND	ND		0	Weekly	Discrete
	PERMIT REQUIREMENT			25 mg/l Maximum	45 mg/l Maximum				
Effluent Gross Value	SAMPLE MEASUREMENT			7.3	7.8		0	Weekly	Discrete
	PERMIT REQUIREMENT			6.5 Minimum	9.0 Maximum				
Iron, Total	SAMPLE MEASUREMENT			ND	ND		0	Weekly	Discrete
	PERMIT REQUIREMENT			10 mg/l	Monitor & Report				
Manganese	SAMPLE MEASUREMENT			0.34	0.36		0	Weekly	Discrete
	PERMIT REQUIREMENT			5 mg/l	Monitor & Report				
Boron	SAMPLE MEASUREMENT			5.70	15.00		0	Weekly	Discrete
	PERMIT REQUIREMENT			Monitor & Report	Monitor & Report				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			DATE			
Susan Crowley									
Staff Environmental Specialist			SIGNATURE OF PRINCIPAL EXECUTIVE			702-651-2200			
TYPED OR PRINTED			OFFICER OR AUTHORIZED AGENT			AREA CODE NUMBER			
						03   10   27			
COMMENT AND EXPLANATION OF ANY VIOLATIONS						YEAR MO DAY			
						03 10 27			

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

Form by WinflowChem\707\864-9845\pm11080\6.01\4.1198

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL CORP.**  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

FACILITY: **KERR-McGEE CHEMICAL CORP.**  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 09 01 TO 03 09 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)			
Total Phosphorus, as P Influent	SAMPLE MEASUREMENT	-----		0.032	0.038	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----			
Total Phosphorus, as P Effluent	SAMPLE MEASUREMENT	-----		0.040	0.050	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	20 lb/d			
Total Inorganic Nitrogen, as N Influent	SAMPLE MEASUREMENT	-----		8.33	10.90	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----			
Total Inorganic Nitrogen, as N Effluent	SAMPLE MEASUREMENT	-----		8.78	12.00	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----			
Nitrate, as N Effluent	SAMPLE MEASUREMENT	-----		8.78	12.00	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	-----			
Ammonia, as N Effluent	SAMPLE MEASUREMENT	-----		ND	ND	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor and Report	40 lb/d			
Attachment A Effluent	SAMPLE MEASUREMENT	-----		Please see attached results		0	Quart	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED								
CHECKED UNDER PENALTY OF LAW THAT THE DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.								
			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Susan Crowley</i>			TELEPHONE 702-651-2200		
			OFFICER OR AUTHORIZED AGENT			DATE 03   10   27		
						AREA CODE NUMBER YEAR MO DAY		

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL CORP.

LOCATION: Henderson, NV

Attn: Susan Crowley

MONITORING PERIOD

FROM 03 09 01 TO 03 09 30

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	MEASUREMENT		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Unionized Ammonia, as N	SAMPLE MEASUREMENT	-----	-----		1.8	1.9	-----	0	Weekly	Calc	
	PERMIT REQUIREMENT	-----	-----		Monitor & Report	Monitor & Report	-----				
Unionized Ammonia, as N	SAMPLE MEASUREMENT	-----	-----		1.7	3.4	-----	0	Weekly	Calc	
	PERMIT REQUIREMENT	-----	-----		Monitor & Report	Monitor & Report	-----				
Hexavalent Chromium	SAMPLE MEASUREMENT	-----	-----		0.035	0.047	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----		Monitor & Report	Monitor & Report	-----				
Hexavalent Chromium	SAMPLE MEASUREMENT	-----	-----		0.032	0.034	-----	4	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----		Monitor & Report	Monitor & Report	-----				
Total Chromium	SAMPLE MEASUREMENT	-----	-----		0.035	0.046	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----		Monitor & Report	Monitor & Report	-----				
Total Chromium	SAMPLE MEASUREMENT	-----	-----		0.033	0.037	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----		Monitor & Report	Monitor & Report	-----				
Total Suspended Solids	SAMPLE MEASUREMENT	-----	-----		ND	ND	-----	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----	-----		135 mg/l	Monitor & Report	-----				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER										TELEPHONE	DATE
Susan Crowley										702-651-2200	03   10   27
Staff Environmental Specialist										AREA CODE NUMBER	YEAR MO DAY
TYPED OR PRINTED											

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

*Susan Crowley*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS



PERMITTEE NAME/ADDRESS: **KERR-McGEE CHEMICAL CORP.**  
**DISCHARGE MONITORING REPORT (DMR)**  
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 NV 0023060  
 PERMIT NUMBER  
 DISCHARGE NUMBER  
 001

FACILITY: **Kerr-McGee Chemical Corp**  
 LOCATION: **Henderson, NV**  
 Attn: **Susan Crowley**

MONITORING PERIOD  
 FROM 03 09 01 TO 03 09 30  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)				30 Day Ave (lb/day)
Color	SAMPLE MEASUREMENT	-----		10	10	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----		Monitor & Report	-----				
Influent	SAMPLE MEASUREMENT	-----		4	5	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----		Monitor & Report	-----				
Total Dissolved Solids	SAMPLE MEASUREMENT	-----		5,936	6,468	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----		Monitor & Report	-----				
Total Dissolved Solids	SAMPLE MEASUREMENT	-----		5,658	5,750	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----		Monitor & Report	-----				
Sulfide	SAMPLE MEASUREMENT	-----		ND	ND	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----		Monitor & Report	-----				
Sulfide	SAMPLE MEASUREMENT	-----		ND	ND	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----		Monitor & Report	-----				
Dissolved Oxygen	SAMPLE MEASUREMENT	-----		6.72	7.33	0	Weekly	Discrete	
	PERMIT REQUIREMENT	-----		Monitor & Report	-----				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER <b>Susan Crowley</b> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER <i>Susan Crowley</i>								TELEPHONE	DATE
COMMENT AND EXPLANATION OF ANY VIOLATIONS TYPED OR PRINTED OFFICER OR AUTHORIZED AGENT								702-651-2200	03   10   27

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

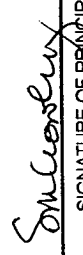
PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL CORP.**  
**ADDRESS: PO BOX 55**  
**HENDERSON, NV 89009-7000**

DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

MONITORING PERIOD  
 FROM 03 | 09 | 01 TO 03 | 09 | 30  
 NO DISCHARGE

FACILITY: **Kerr-McGee Chemical Corp**  
 LOCATION: **Henderson, NV**  
 Attn: **Susan Crowley**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Oil & Grease	SAMPLE MEASUREMENT	-----	-----	ND	ND	-----	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
Oil & Grease	SAMPLE MEASUREMENT	-----	-----	ND	ND	-----	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
TKN (as N)	SAMPLE MEASUREMENT	-----	-----	0.05	0.20	-----	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
TKN (as N)	SAMPLE MEASUREMENT	-----	-----	0.29	0.34	-----	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
Chloride	SAMPLE MEASUREMENT	-----	-----	1,994	2,200	-----	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
Chloride	SAMPLE MEASUREMENT	-----	-----	2,050	2,400	-----	0	Weekly	Discrete	
Effluent	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
Chlorate	SAMPLE MEASUREMENT	-----	-----	127	157	-----	0	Weekly	Discrete	
Influent	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE		
Susan Crowley							702-651-2200	03   10   27		
Staff Environmental Specialist							AREA CODE NUMBER	YEAR	MO	DAY
TYPED OR PRINTED							702-651-2200	03	10	27
COMMENT AND EXPLANATION OF ANY VIOLATIONS							OFFICER OR AUTHORIZED AGENT			
							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			
										

CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

Form by WinbowChem(707)864-0845;pm1106;v.01.14.18

PERMITTEE NAME/ADDRESS:  
**KERR-McGEE CHEMICAL CORP.**  
 NAME: **KERR-McGEE CHEMICAL CORP.**  
 ADDRESS: **PO BOX 55**  
**HENDERSON, NV 89009-7000**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

PERMIT NUMBER: **NV 0023060**  
 DISCHARGE NUMBER: **001**

MONITORING PERIOD  
 FROM **03 | 09 | 01** TO **03 | 09 | 30** **NO DISCHARGE**

FACILITY: **Kerr-McGee Chemical Corp**  
 LOCATION: **Henderson, NV**  
 Attn: **Susan Crowley**

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Chlorate	SAMPLE MEASUREMENT	-----	-----	122	130	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
Effluent	SAMPLE MEASUREMENT	-----	-----	0.380	1.500	-----	pCi/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
Gross Alpha	SAMPLE MEASUREMENT	-----	-----	25.3	38.0	-----	pCi/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
BOD <sub>5</sub> (inhibited)	SAMPLE MEASUREMENT	-----	-----	ND	ND	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	25 mg/l Maximum	45 mg/l Maximum	-----				
Influent Gross Value	SAMPLE MEASUREMENT	-----	-----	Monitor & Report						
	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
	SAMPLE MEASUREMENT	-----	-----	Monitor & Report						
	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
	SAMPLE MEASUREMENT	-----	-----	Monitor & Report						
	PERMIT REQUIREMENT	-----	-----	Monitor & Report						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE	DATE	
Susan Crowley				<i>Susan Crowley</i>				702-651-2200	03   10   27	
Staff Environmental Specialist				OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER	YEAR MO DAY	
TYPED OR PRINTED										

CRITERY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSIST QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I FALAWARE THAT THERE ARE NO UNLAWFUL PRACTICES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF THE AND RESPONSIBILITY FOR ANY VIOLATIONS.

(Reference all attachments here)

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL LLC  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 Attn: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 03 08 01 TO 03 08 31

NO DISCHARGE  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (lb/day)	30 Day Ave (mg/l)	7 Day Ave (mg/l)	UNIT				
Flow	1.22	1.22	MGD					0	Cont	Flow Meter	
Effluent	1.22 MGD Maximum	1.4 MGD Maximum									
Perchlorate (IX)				99.5	98.9	0.95	%	0	Weekly	Comp	
% Removal				97% Removal of 3 ppm in effluent							
BOD <sub>5</sub> (inhibited)				ND	ND		mg/l	0	Weekly	Discrete	
Effluent Gross Value				25 mg/l Maximum	45 mg/l Maximum						
pH				7.3	7.3		SU	0	Weekly	Discrete	
Effluent				6.5 Minimum	9.0 Maximum						
Iron, Total				ND	ND		mg/l	0	Weekly	Discrete	
Effluent				10 mg/l	Monitor & Report						
Manganese				0.33	0.35		mg/l	0	Weekly	Discrete	
Effluent				5 mg/l	Monitor & Report						
Boron				2.8	2.9		mg/l	0	Weekly	Discrete	
Effluent				Monitor & Report	Monitor & Report						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>S.M. Crowley</i> OFFICER OR AUTHORIZED AGENT											
TELEPHONE DATE 702-651-2200 03   10   27 AREA CODE NUMBER YEAR MO DAY Form by WinDowChem(707)864-0845;pm11090;v.01;4/186											

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS:  
KERR-McGEE CHEMICAL CORP.  
ADDRESS: PO BOX 55  
HENDERSON, NV 89009-7000

PERMIT NUMBER: NV 0023060  
DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL CORP.  
LOCATION: Henderson, NV  
Attn: Susan Crowley

MONITORING PERIOD  
FROM 03 08 01 TO 03 08 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Total Phosphorus, as P	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		0.015	0.028	mg/l	0	Weekly	Discrete
Influent	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		Monitor & Report	-----				
Total Phosphorus, as P	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		0.020	0.040	mg/l	0	Weekly	Discrete
Effluent	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		Monitor & Report	20 lb/d				
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		6.91	9.00	mg/l	0	Weekly	Discrete
Influent	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		Monitor & Report	-----				
Total Inorganic Nitrogen, as N	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		7.30	7.50	mg/l	0	Weekly	Discrete
Effluent	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		Monitor & Report	-----				
Nitrate, as N	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		7.30	7.50	mg/l	0	Weekly	Discrete
Effluent	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		Monitor & Report	-----				
Ammonia, as N	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		ND	ND	mg/l	0	Weekly	Discrete
Effluent	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		Monitor and Report	40 lb/d				
Attachment A	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		Please see attached results			0	Quart	Discrete
Effluent	SAMPLE MEASUREMENT PERMIT REQUIREMENT	-----	-----		Monitor & Report					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE			DATE		
Susan Crowley										
Staff Environmental Specialist					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			702-651-2200		
TYPED OR PRINTED								AREA CODE NUMBER		
								YEAR MO DAY		
								03   10   27		

Form by WinRowChem\07964-0645.pml11060.v6.01.4/1/98

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: KERR-McGEE CHEMICAL CORP.  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 08 01 TO 03 08 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Unionized Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	1.1	1.1	-----	%	Weekly	Calc
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Unionized Ammonia, as N	SAMPLE MEASUREMENT	-----	-----	1.1	1.1	-----	%	Weekly	Calc
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Hexavalent Chromium	SAMPLE MEASUREMENT	-----	-----	0.037	0.047	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Hexavalent Chromium	SAMPLE MEASUREMENT	-----	-----	0.024	0.046	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Total Chromium	SAMPLE MEASUREMENT	-----	-----	0.035	0.046	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Total Chromium	SAMPLE MEASUREMENT	-----	-----	0.026	0.029	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	Monitor & Report	Monitor & Report	-----			
Total Suspended Solids	SAMPLE MEASUREMENT	-----	-----	ND	ND	-----	mg/l	Weekly	Discrete
	PERMIT REQUIREMENT	-----	-----	135 mg/l	Monitor & Report	-----			
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED									
CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY KNOWLEDGE AND BELIEF, I AM AWARE THAT THERE ARE SIGNIFICANT VIOLATIONS FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER: <i>Susan Crowley</i> OFFICER OR AUTHORIZED AGENT: SIGNATURE OF PRINCIPAL EXECUTIVE									
TELEPHONE							DATE		
702-651-2200							03   10   27		
AREA CODE NUMBER							YEAR MO DAY		
702-651-2200							03 10 27		

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL CORP.  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

MONITORING PERIOD  
 FROM 03 08 01 TO 03 08 31 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Color	SAMPLE MEASUREMENT	-----		11	12	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Color	SAMPLE MEASUREMENT	-----		3	3	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Total Dissolved Solids	SAMPLE MEASUREMENT	-----		5,546	5,788	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Total Dissolved Solids	SAMPLE MEASUREMENT	-----		5,600	5,650	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Sulfide	SAMPLE MEASUREMENT	-----		ND	ND	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Sulfide	SAMPLE MEASUREMENT	-----		ND	ND	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Dissolved Oxygen	SAMPLE MEASUREMENT	-----		6.20	7.45	-----	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report					
Effluent	SAMPLE MEASUREMENT	-----		Monitor & Report					
	PERMIT REQUIREMENT	-----		Monitor & Report					
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley Staff Environmental Specialist TYPED OR PRINTED									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Susan Crowley</i> OFFICER OR AUTHORIZED AGENT									
TELEPHONE							DATE		
702-651-2200							03   10   27		
AREA CODE NUMBER							YEAR MO DAY		
702-651-2200							03 10 27		

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSONS OR PERSONS WHO MANAGE THE FACILITY, THAT THE INFORMATION IS TRUE, ACCURATE AND COMPLETE, I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS: KERR-McGEE CHEMICAL CORP.  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NV 0023060  
 PERMIT NUMBER  
 001  
 DISCHARGE NUMBER

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD  
 FROM 03 | 08 | 01 TO 03 | 08 | 31  
 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)			
Oil & Grease	SAMPLE MEASUREMENT	---	---		ND	ND		0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---		Monitor & Report	---				
Oil & Grease	SAMPLE MEASUREMENT	---	---		ND	ND		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---		Monitor & Report	---				
TKN (as N)	SAMPLE MEASUREMENT	---	---		0.09	0.18		0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---		Monitor & Report	---				
TKN (as N)	SAMPLE MEASUREMENT	---	---		0.35	0.44		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---		Monitor & Report	---				
Chloride	SAMPLE MEASUREMENT	---	---		1,931	2,125		0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---		Monitor & Report	---				
Chloride	SAMPLE MEASUREMENT	---	---		1,950	2,100		0	Weekly	Discrete
Effluent	PERMIT REQUIREMENT	---	---		Monitor & Report	---				
Chlorate	SAMPLE MEASUREMENT	---	---		132	163		0	Weekly	Discrete
Influent	PERMIT REQUIREMENT	---	---		Monitor & Report	---				
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER					TELEPHONE			DATE		
Susan Crowley					702-651-2200			03   10   27		
Staff Environmental Specialist					SIGNATURE OF PRINCIPAL EXECUTIVE			AREA CODE NUMBER		
TYPED OR PRINTED					OFFICER OR AUTHORIZED AGENT			YEAR MO DAY		

*Susan Crowley*

(Reference all attachments here)

Form by WindowChem\707884-0845.plm\1106045.01\4788



PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL CORP.  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: NV 0023060  
 DISCHARGE NUMBER: 001

FACILITY: Kerr-McGee Chemical Corp  
 LOCATION: Henderson, NV  
 Attn: Susan Crowley

MONITORING PERIOD

FROM 03 | 08 | 01 TO 03 | 08 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)				UNIT
Chlorate Effluent	SAMPLE MEASUREMENT	-----		117	130	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
Radium 226 + 228 Effluent	SAMPLE MEASUREMENT	-----		ND	ND	-----	pCi/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
Gross Alpha Effluent	SAMPLE MEASUREMENT	-----		13.0	23.0	-----	pCi/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
BOD <sub>5</sub> (inhibited)	SAMPLE MEASUREMENT	-----		ND	ND	-----	mg/l	0	Weekly	Discrete
	PERMIT REQUIREMENT	-----		25 mg/l Maximum	45 mg/l Maximum	-----				
Influent Gross Value	SAMPLE MEASUREMENT	-----				-----				
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
	SAMPLE MEASUREMENT	-----				-----				
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
	SAMPLE MEASUREMENT	-----				-----				
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				
	SAMPLE MEASUREMENT	-----				-----				
	PERMIT REQUIREMENT	-----		Monitor & Report	Monitor & Report	-----				

NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
*Susan Crowley*

702-651-2200  
 AREA CODE NUMBER

03 | 10 | 27  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

**ATTACHMENT 2**

**DMR  
Supporting Analytical  
-  
Influent & Effluent  
Attachment A  
Supporting Analytical**

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:56:27 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030024	2307100021	2307170094	2307240026	2307240033	2307310044
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
	Remarks	Superceded					
<b>Other</b>							
Apparent Color	ACU	10 v	10 v	10 v	10 v		10 v
Surfactants	mg/l					0.851 v	
Total Dissolved Solids	mg/l	6790 v	7060 v	6980 v	6660 v		6350 v
Total Organic Carbon	mg/l					1.8 v	
Total Suspended Solids	mg/l					10 u	
Laboratory pH	s.u.	7.3 v	7.2 v	7.3 v	7.3 v		7.4 v
1,2-Diphenylhydrazine	ug/l					10 u	
<b>Metals</b>							
Antimony	mg/l					0.005 ud	
Arsenic	mg/l					0.1 vd	
Arsenic III	mg/l					0.038 v	
Barium	mg/l					0.025 vd	
Beryllium	mg/l					0.005 ud	
Boron	mg/l					3.3 vd	
Cadmium	mg/l					0.0025 ud	
Chromium	mg/l	0.043 vd	0.039 v	0.044 vd	0.043 vd		0.043 vd
Chromium-hexavalent	mg/l	0.045 v	0.046 v	0.046 v	0.045 v		0.046 v
Copper	mg/l					0.01 ud	
Iron	mg/l					0.2 ud	
Magnesium	mg/l					200 vd	
Manganese	mg/l					0.01 ud	
Mercury	mg/l					0.0002 u	
Molybdenum	mg/l					0.079 vd	
Nickel	mg/l					0.025 ud	
Potassium	mg/l					29 vd	
Selenium	mg/l					0.025 ud	
Sodium	mg/l					1200 vd	
Strontium	mg/l					12 vd	
Thallium	mg/l					0.005 ud	
Vanadium	mg/l					0.069 vd	
Zinc	mg/l					0.025 ud	
Lead	ug/l					2.5 ud	
<b>Inorganics</b>							
Percent Unionized Ammonia	%	1.1 v	0.873 v	1.1 v	1.1 v		1.38 v
25C							
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u		0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l					5 u	
Chloride	mg/l	2300 vd	2300 vd	2400 vd	2200 vd		2100 vd
Nitrate (as N)	mg/l	10 vd	10 vd	11 vd	9.9 vd		25 vd
Nitrate/Nitrite	mg/l	10 v	10 v	11 v	9.9 v		25 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud		4 ud

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:56:27 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003	
	Lab	MWL	MWL	MWL	MWL	MWL	MWL	
	Lab Number	2307030024	2307100021	2307170094	2307240026	2307240033	2307310044	
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	
	Remarks	Superceded						
	Sulfate	mg/l				1900 vd		
	sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	
	Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u	0.2 u	
	Total Phosphorus-P	mg/l	0.02 u	0.02 v	0.01 v	0.02 v	0.02 v	
	Chlorate	ug/l	170000 vd	170000 vd	170000 vd	170000 vd	160000 vd	
	Perchlorate	ug/l	130000 vd	120000 vd	120000 vd	130000 vd	110000 vd	
	<b>Radiologic</b>							
	Gross Alpha	pCi/l				21 v		
	Ra-226 - soluble	pCi/l				0.3 u		
	Ra-228 - soluble	pCi/l				0.4 u		
	<b>Dioxins and Furans</b>							
	Tetrahydrofuran	ug/l				10 u		
	<b>Herbicides</b>							
	2,4-Dichlorophenylacetic Acid	%				0 u		
	2,4,5-T	ug/l				0.5 u		
	2,4,5-TP (Silvex)	ug/l				0.5 u		
	2,4-D	ug/l				2.5 u		
	2,4-DB	ug/l				5 u		
	Dalapon	ug/l				5 u		
	Dicamba	ug/l				0.5 u		
	Dichlorprop	ug/l				2.5 u		
	Dinoseb	ug/l				1.2 u		
	<b>Hydrocarbon</b>							
	Oil and grease	mg/l	5 u	5 u	5 u	5 u	5 u	
	<b>PCBs</b>							
	Aroclor-1016	ug/l				0.5 u		
	Aroclor-1221	ug/l				0.5 u		
	Aroclor-1232	ug/l				0.5 u		
	Aroclor-1242	ug/l				0.5 u		
	Aroclor-1248	ug/l				0.5 u		
	Aroclor-1254	ug/l				0.5 u		
	Aroclor-1260	ug/l				0.5 u		
	<b>Pesticides</b>							
	4,4-DDD	ug/l				0.02 u		
	4,4-DDE	ug/l				0.02 u		
	4,4-DDT	ug/l				0.02 u		
	Aldrin	ug/l				0.02 u		
	Alpha-BHC	ug/l				0.27 vd		
	Beta-BHC	ug/l				0.19 v		
	Delta-BHC	ug/l				0.38 vd		
	Dieldrin	ug/l				0.02 u		
	Endosulfan I	ug/l				0.02 u		
	Endosulfan II	ug/l				0.02 u		

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:56:27 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030024	2307100021	2307170094	2307240026	2307240033	2307310044
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
	Remarks	Superseded					

Endosulfan Sulfate	ug/l	0.02 u
Endrin	ug/l	0.01 u
Endrin Aldehyde	ug/l	0.02 u
Endrin Ketone	ug/l	0.5 u
Gamma-BHC (Lindane)	ug/l	0.02 u
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.2 u
Mirex	ug/l	0.05 u
Tech-Chlordane	ug/l	0.2 u
Toxaphene	ug/l	0.5 u
<b>SVOAs</b>		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzidine	mg/l	0.05 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u
bis(2-Ethylhexyl)phthalate	mg/l	0.0012 u
Butyl benzyl phthalate	mg/l	0.005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030024	2307100021	2307170094	2307240026	2307240033	2307310044
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
	Remarks	Superceded					

Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.01 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	5 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,1,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.0057 v
1,1-Dichloroethene	mg/l	0.0005 u
1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.0005 u
1,2-Dichloroethane	mg/l	0.0005 u
1,2-Dichloropropane	mg/l	0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:56:27 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030024	2307100021	2307170094	2307240026	2307240033	2307310044
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
	Remarks	Superceded					

1,3-Dichlorobenzene	mg/l	0.005 u
1,4-Dichlorobenzene	mg/l	0.0005 u
2-Hexanone	mg/l	0.01 u
4-Methyl-2-pentanone	mg/l	0.01 u
Acetone	mg/l	0.01 u
Acrolein	mg/l	0.05 u
Acrylonitrile	mg/l	0.05 u
Bromodichloromethane	mg/l	0.0005 u
Bromoform	mg/l	0.0005 u
Bromomethane	mg/l	0.0005 u
Carbon disulfide	mg/l	0.0005 u
Carbon tetrachloride	mg/l	0.0005 u
Chlorobenzene	mg/l	0.0005 u
Chloroethane	mg/l	0.0005 u
Chloroform	mg/l	0.042 v
Chloromethane	mg/l	0.0005 u
cis-1,2-Dichloroethene	mg/l	0.0005 u
cis-1,3-Dichloropropene	mg/l	0.0005 u
Dibromochloromethane	mg/l	0.0005 u
Dichlorodifluoromethane	mg/l	0.0005 u
m,p-Xylene	mg/l	0.0005 u
Methyl ethyl ketone	mg/l	0.01 u
Methylene chloride	mg/l	0.003 u
o-Xylene	mg/l	0.0005 u
Styrene	mg/l	0.0005 u
Tetrachloroethene	mg/l	0.0006 v
trans-1,2-Dichloroethylene	mg/l	0.0005 u
trans-1,3-Dichloropropene	mg/l	0.0005 u
Trichloroethene	mg/l	0.0013 v
Trichlorofluoromethane	mg/l	0.0005 u
Vinylacetate	mg/l	0.01 u
Vinylchloride	mg/l	0.0005 u
Benzene	ug/l	0.5 u
Ethylbenzene	ug/l	0.5 u
Toluene	ug/l	0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		



# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:03 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030022	2307100018	2307170092	2307240024	2307240027	2307310042
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded					
<b>Other</b>							
Apparent Color	ACU	15 v	10 v	10 v	10 v		10 v
Surfactants	mg/l					0.544 v	
Total Dissolved Solids	mg/l	4560 v	4680 v	4650 v	4430 v		4350 v
Total Organic Carbon	mg/l					2.7 v	
Total Suspended Solids	mg/l					10 u	
Laboratory pH	s.u.	7.3 v	7.3 v	7.3 v	7.3 v		7.3 v
1,2-Diphenylhydrazine	ug/l					10 u	
<b>Metals</b>							
Antimony	mg/l					0.005 ud	
Arsenic	mg/l					0.11 vd	
Arsenic III	mg/l					0.035 v	
Barium	mg/l					0.024 vd	
Beryllium	mg/l					0.005 ud	
Boron	mg/l					1.9 vd	
Cadmium	mg/l					0.0025 ud	
Chromium	mg/l	0.005 ud	0.001 u	0.005 ud	0.005 ud		0.005 ud
Chromium-hexavalent	mg/l	0.005 u	0.005 u	0.005 u	0.005 u		0.005 u
Copper	mg/l					0.01 ud	
Iron	mg/l					0.2 ud	
Magnesium	mg/l					110 vd	
Manganese	mg/l					1.1 vd	
Mercury	mg/l					0.0002 u	
Molybdenum	mg/l					0.054 vd	
Nickel	mg/l					0.025 ud	
Potassium	mg/l					30 vd	
Selenium	mg/l					0.025 ud	
Sodium	mg/l					860 vd	
Strontium	mg/l					6.4 vd	
Thallium	mg/l					0.005 ud	
Vanadium	mg/l					0.078 vd	
Zinc	mg/l					0.029 vd	
Lead	ug/l					2.5 ud	
<b>Inorganics</b>							
Percent Unionized Ammonia	%	1.1 v	1.1 v	1.1 v	1.1 v		1.1 v
25C							
Ammonia (as N)	mg/l	0.05 u	0.071 v	0.05 u	0.05 u		0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l					10 v	
Chloride	mg/l	1600 vd	1600 vd	1500 vd	1500 vd		1400 vd
Nitrate (as N)	mg/l	4 ud	4 ud	4 ud	4 ud		6.9 vd
Nitrate/Nitrite	mg/l	0.2 u	0.2 u	0.2 u	0.2 u		6.9 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud		4 ud

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

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Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030022	2307100018	2307170092	2307240024	2307240027	2307310042
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks						
	Superseded						
	Sulfate	mg/l				1200 vd	
	sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u
	Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.36 v	0.35 v
	Total Phosphorus-P	mg/l	0.06 v	0.05 v	0.05 v	0.05 v	0.03 v
	Chlorate	ug/l	40000 vd	44000 vd	40000 vd	41000 vd	43000 vd
	Perchlorate	ug/l	36000 vd	38000 vd	37000 vd	32000 vd	32000 vd
	<b>Radiologic</b>						
	Gross Alpha	pCi/l				22 v	
	Ra-226 - soluble	pCi/l				0.2 u	
	Ra-228 - soluble	pCi/l				0.4 u	
	<b>Dioxins and Furans</b>						
	Tetrahydrofuran	ug/l				10 u	
	<b>Herbicides</b>						
	2,4-Dichlorophenylacetic Acid	%				0 u	
	2,4,5-T	ug/l				0.5 u	
	2,4,5-TP (Silvex)	ug/l				0.5 u	
	2,4-D	ug/l				2.5 u	
	2,4-DB	ug/l				5 u	
	Dalapon	ug/l				5 u	
	Dicamba	ug/l				0.5 u	
	Dichlorprop	ug/l				2.5 u	
	Dinoseb	ug/l				1.2 u	
	<b>Hydrocarbon</b>						
	Oil and grease	mg/l	5 u	5 u	5 u	5 u	5 u
	<b>PCBs</b>						
	Aroclor-1016	ug/l				0.5 u	
	Aroclor-1221	ug/l				0.5 u	
	Aroclor-1232	ug/l				0.5 u	
	Aroclor-1242	ug/l				0.5 u	
	Aroclor-1248	ug/l				0.5 u	
	Aroclor-1254	ug/l				0.5 u	
	Aroclor-1260	ug/l				0.5 u	
	<b>Pesticides</b>						
	4,4-DDD	ug/l				0.02 u	
	4,4-DDE	ug/l				0.02 u	
	4,4-DDT	ug/l				0.02 u	
	Aldrin	ug/l				0.02 u	
	Alpha-BHC	ug/l				0.58 vd	
	Beta-BHC	ug/l				0.17 v	
	Delta-BHC	ug/l				0.95 vd	
	Dieldrin	ug/l				0.02 u	
	Endosulfan I	ug/l				0.02 u	
	Endosulfan II	ug/l				0.02 u	

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:03 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030022	2307100018	2307170092	2307240024	2307240027	2307310042
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded					

Endosulfan Sulfate	ug/l					0.02 u	
Endrin	ug/l					0.01 u	
Endrin Aldehyde	ug/l					0.02 u	
Endrin Ketone	ug/l					0.5 u	
Gamma-BHC (Lindane)	ug/l					0.02 u	
Heptachlor	ug/l					0.01 u	
Heptachlor Epoxide	ug/l					0.01 u	
Methoxychlor	ug/l					0.2 u	
Mirex	ug/l					0.05 u	
Tech-Chlordane	ug/l					0.2 u	
Toxaphene	ug/l					0.5 u	
<b>SVOAs</b>							
2,4,5-Trichlorophenol	mg/l					0.005 u	
2,4-Dichlorophenol	mg/l					0.005 u	
2,4-Dinitrotoluene	mg/l					0.005 u	
2,6-Dinitrotoluene	mg/l					0.005 u	
2-Chloronaphthalene	mg/l					0.005 u	
2-Methylnaphthalene	mg/l					0.005 u	
2-Methylphenol	mg/l					0.005 u	
2-Nitroaniline	mg/l					0.01 u	
2-Nitrophenol	mg/l					0.005 u	
3,3-Dichlorobenzidine	mg/l					0.05 u	
3-Nitroaniline	mg/l					0.02 u	
4,6-Dinitro-2-methylphenol	mg/l					0.05 u	
4-Bromophenyl-phenylether	mg/l					0.005 u	
4-Chloroaniline	mg/l					0.005 u	
4-Chlorophenyl-phenylether	mg/l					0.005 u	
4-Methylphenol	mg/l					0.005 u	
4-Nitroaniline	mg/l					0.02 u	
4-Nitrophenol	mg/l					0.01 u	
Acenaphthene	mg/l					0.005 u	
Aniline	mg/l					0.005 u	
Anthracene	mg/l					0.005 u	
Benzidine	mg/l					0.05 u	
Benzo(g,h,i)perylene	mg/l					0.01 u	
Benzo(k)fluoranthene	mg/l					0.005 u	
Benzoic acid	mg/l					0.05 u	
Benzyl alcohol	mg/l					0.005 u	
bis(2-Chloroethoxy)methane	mg/l					0.01 u	
bis(2-Chloroethyl)ether	mg/l					0.01 u	
bis(2-Chloroisopropyl)ether	mg/l					0.01 u	
bis(2-Ethylhexyl)phthalate	mg/l					0.0012 u	
Butyl benzyl phthalate	mg/l					0.005 u	

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:03 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030022	2307100018	2307170092	2307240024	2307240027	2307310042
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded					

Chrysene	mg/l					0.005 u
Dibenzofuran	mg/l					0.005 u
Diethyl phthalate	mg/l					0.005 u
Dimethyl phthalate	mg/l					0.005 u
Di-N-Butyl phthalate	mg/l					0.01 u
Di-N-Octyl phthalate	mg/l					0.01 u
Fluorene	mg/l					0.005 u
Hexachlorobenzene	mg/l					0.005 u
Hexachlorobutadiene	mg/l					0.01 u
Hexachlorocyclopentadiene	mg/l					0.01 u
Hexachloroethane	mg/l					0.005 u
Isophorone	mg/l					0.005 u
Nitrobenzene	mg/l					0.005 u
N-Nitrosodimethylamine	mg/l					0.005 u
N-Nitroso-di-N-propylamine	mg/l					0.005 u
N-Nitrosodiphenylamine	mg/l					0.005 u
Pyrene	mg/l					0.005 u
2,4,6-Trichlorophenol	ug/l					5 u
2,4-Dimethylphenol	ug/l					5 u
2,4-Dinitrophenol	ug/l					50 u
2-Chlorophenol	ug/l					5 u
Acenaphthylene	ug/l					5 u
Benz(a)anthracene	ug/l					5 u
Benzo(a)pyrene	ug/l					5 u
Benzo(b)fluoranthene	ug/l					5 u
Dibenz(a,h)anthracene	ug/l					10 u
Fluoranthene	ug/l					5 u
Indeno(1,2,3-cd)pyrene	ug/l					10 u
Naphthalene	ug/l					5 u
p-Chloro-m-cresol	ug/l					5 u
Pentachlorophenol	ug/l					20 u
Phenanthrene	ug/l					5 u
Phenol	ug/l					5 u
VOAs						
1,1,1-Trichloroethane	mg/l					0.0005 u
1,1,1,2-Tetrachloroethane	mg/l					0.0005 u
1,1,2-Trichloroethane	mg/l					0.0005 u
1,1-Dichloroethane	mg/l					0.0043 v
1,1-Dichloroethene	mg/l					0.0005 u
1,2,4-Trichlorobenzene	mg/l					0.005 u
1,2-Dichlorobenzene	mg/l					0.0009 v
1,2-Dichloroethane	mg/l					0.0005 u
1,2-Dichloropropane	mg/l					0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:03 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030022	2307100018	2307170092	2307240024	2307240027	2307310042
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks						
	Superceded						

1,3-Dichlorobenzene	mg/l	0.005	u
1,4-Dichlorobenzene	mg/l	0.002	v
2-Hexanone	mg/l	0.01	u
4-Methyl-2-pentanone	mg/l	0.01	u
Acetone	mg/l	0.01	u
Acrolein	mg/l	0.05	u
Acrylonitrile	mg/l	0.05	u
Bromodichloromethane	mg/l	0.0005	u
Bromoform	mg/l	0.0005	u
Bromomethane	mg/l	0.0005	u
Carbon disulfide	mg/l	0.0005	u
Carbon tetrachloride	mg/l	0.0005	u
Chlorobenzene	mg/l	0.0005	u
Chloroethane	mg/l	0.0005	u
Chloroform	mg/l	0.0005	u
Chloromethane	mg/l	0.0005	u
cis-1,2-Dichloroethene	mg/l	0.0005	u
cis-1,3-Dichloropropene	mg/l	0.0005	u
Dibromochloromethane	mg/l	0.0005	u
Dichlorodifluoromethane	mg/l	0.0005	u
m,p-Xylene	mg/l	0.0005	u
Methyl ethyl ketone	mg/l	0.01	u
Methylene chloride	mg/l	0.003	u
o-Xylene	mg/l	0.0005	u
Styrene	mg/l	0.0005	u
Tetrachloroethene	mg/l	0.0005	u
trans-1,2-Dichloroethylene	mg/l	0.0005	u
trans-1,3-Dichloropropene	mg/l	0.0005	u
Trichloroethene	mg/l	0.001	v
Trichlorofluoromethane	mg/l	0.0005	u
Vinylacetate	mg/l	0.01	u
Vinylchloride	mg/l	0.0005	u
Benzene	ug/l	0.5	u
Ethylbenzene	ug/l	0.5	u
Toluene	ug/l	0.5	u

See analytical flag codes on last page.

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:51 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030023	2307100020	2307170093	2307240025	2307240030	2307310043
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded					
<b>Other</b>							
Apparent Color	ACU	3 v	3 v	3 v	3 v		3 v
Surfactants	mg/l					0.05 u	
Total Dissolved Solids	mg/l	6070 v	6200 v	6090 v	5840 v		5700 v
Total Organic Carbon	mg/l					1.3 v	
Total Suspended Solids	mg/l	10 u	10 u	10 u	10 v		10 u
Laboratory pH	s.u.	7.3 v	7.3 v	7.3 v	7.3 v		7.3 v
1,2-Diphenylhydrazine	ug/l					10 u	
<b>Metals</b>							
Antimony	mg/l					0.005 ud	
Arsenic	mg/l					0.11 vd	
Arsenic III	mg/l					0.031 vd	
Barium	mg/l					0.024 vd	
Beryllium	mg/l					0.005 ud	
Boron	mg/l	2.8 vd	2.9 v	2.9 vd	2.8 vd		2.9 vd
Cadmium	mg/l					0.0025 ud	
Chromium	mg/l	0.021 vd	0.022 v	0.019 vd	0.031 vd		0.03 vd
Chromium-hexavalent	mg/l	0.022 v	0.023 v	0.022 v	0.033 v		0.031 v
Copper	mg/l					0.01 ud	
Iron	mg/l	0.2 ud	0.1 u	0.2 ud	0.2 ud		0.2 ud
Magnesium	mg/l					170 vd	
Manganese	mg/l	0.39 vd	0.33 v	0.35 vd	0.31 vd		0.34 vd
Mercury	mg/l					0.0002 u	
Molybdenum	mg/l					0.057 vd	
Nickel	mg/l					0.025 ud	
Potassium	mg/l					29 vd	
Selenium	mg/l					0.025 ud	
Sodium	mg/l					1100 vd	
Strontium	mg/l					9.9 vd	
Thallium	mg/l					0.005 ud	
Vanadium	mg/l					0.062 vd	
Zinc	mg/l					0.025 ud	
Lead	ug/l					2.5 ud	
<b>Inorganics</b>							
Percent Unionized Ammonia	%	1.1 v	1.1 v	1.1 v	1.1 v		1.1 v
25C							
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u		0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u	3 u	3 u
Chemical oxygen demand	mg/l					5 u	
Chloride	mg/l	2100 vd	2100 vd	2000 vd	2000 vd		2000 vd
Nitrate (as N)	mg/l	8.2 vd	8.4 vd	7.8 vd	6.8 vd		21 vd
Nitrate/Nitrite	mg/l	8.2 v	8.4 v	7.8 v	6.8 v		21 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud		4 ud

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:51 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030023	2307100020	2307170093	2307240025	2307240030	2307310043
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded					
	Sulfate	mg/l				1700 vd	
	sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u
	Total Kjeldahl Nitrogen	mg/l	0.33 v	0.24 v	0.2 u	0.26 v	0.21 v
	Total Phosphorus-P	mg/l	0.04 v	0.04 v	0.03 v	0.03 v	0.04 v
	Chlorate	ug/l	120000 vd	130000 vd	130000 vd	130000 vd	130000 vd
	Perchlorate	ug/l	14 vd	1600 vd	220 vd	5.5 v	4 v
	<b>Radiologic</b>						
	Gross Alpha	pCi/l	14 v	13 v	9.4 v	26 v	10.1 u
	Ra-226 - soluble	pCi/l	0.3 u	0.3 u	0.2 u	0.2 u	0.2 u
	Ra-228 - soluble	pCi/l	0.3 u	0.4 u	0.3 u	0.4 u	0.3 u
	<b>Dioxins and Furans</b>						
	Tetrahydrofuran	ug/l				10 u	
	<b>Herbicides</b>						
	2,4-Dichlorophenylacetic Acid	%				0 u	
	2,4,5-T	ug/l				0.5 u	
	2,4,5-TP (Silvex)	ug/l				0.5 u	
	2,4-D	ug/l				2.5 u	
	2,4-DB	ug/l				5 u	
	Dalapon	ug/l				5 u	
	Dicamba	ug/l				0.5 u	
	Dichlorprop	ug/l				2.5 u	
	Dinoseb	ug/l				1.2 u	
	<b>Hydrocarbon</b>						
	Oil and grease	mg/l	5 u	5 u	5 u	5 u	5 u
	<b>PCBs</b>						
	Aroclor-1016	ug/l				0.5 u	
	Aroclor-1221	ug/l				0.5 u	
	Aroclor-1232	ug/l				0.5 u	
	Aroclor-1242	ug/l				0.5 u	
	Aroclor-1248	ug/l				0.5 u	
	Aroclor-1254	ug/l				0.5 u	
	Aroclor-1260	ug/l				0.5 u	
	<b>Pesticides</b>						
	4,4-DDD	ug/l				0.02 u	
	4,4-DDE	ug/l				0.02 u	
	4,4-DDT	ug/l				0.02 u	
	Aldrin	ug/l				0.02 u	
	Alpha-BHC	ug/l				0.09 v	
	Beta-BHC	ug/l				0.02 u	
	Delta-BHC	ug/l				0.02 u	
	Dieldrin	ug/l				0.02 u	
	Endosulfan I	ug/l				0.02 u	
	Endosulfan II	ug/l				0.02 u	

See analytical flag codes on last page.



# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:51 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030023	2307100020	2307170093	2307240025	2307240030	2307310043
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded					

Endosulfan Sulfate	ug/l	0.02 u
Endrin	ug/l	0.01 u
Endrin Aldehyde	ug/l	0.02 u
Endrin Ketone	ug/l	0.5 u
Gamma-BHC (Lindane)	ug/l	0.02 u
Heptachlor	ug/l	0.01 u
Heptachlor Epoxide	ug/l	0.01 u
Methoxychlor	ug/l	0.2 u
Mirex	ug/l	0.05 u
Tech-Chlordane	ug/l	0.2 u
Toxaphene	ug/l	0.5 u
<b>SVOAs</b>		
2,4,5-Trichlorophenol	mg/l	0.005 u
2,4-Dichlorophenol	mg/l	0.005 u
2,4-Dinitrotoluene	mg/l	0.005 u
2,6-Dinitrotoluene	mg/l	0.005 u
2-Chloronaphthalene	mg/l	0.005 u
2-Methylnaphthalene	mg/l	0.005 u
2-Methylphenol	mg/l	0.005 u
2-Nitroaniline	mg/l	0.01 u
2-Nitrophenol	mg/l	0.005 u
3,3-Dichlorobenzidine	mg/l	0.05 u
3-Nitroaniline	mg/l	0.02 u
4,6-Dinitro-2-methylphenol	mg/l	0.05 u
4-Bromophenyl-phenylether	mg/l	0.005 u
4-Chloroaniline	mg/l	0.005 u
4-Chlorophenyl-phenylether	mg/l	0.005 u
4-Methylphenol	mg/l	0.005 u
4-Nitroaniline	mg/l	0.02 u
4-Nitrophenol	mg/l	0.01 u
Acenaphthene	mg/l	0.005 u
Aniline	mg/l	0.005 u
Anthracene	mg/l	0.005 u
Benzidine	mg/l	0.05 u
Benzo(g,h,i)perylene	mg/l	0.01 u
Benzo(k)fluoranthene	mg/l	0.005 u
Benzoic acid	mg/l	0.05 u
Benzyl alcohol	mg/l	0.005 u
bis(2-Chloroethoxy)methane	mg/l	0.01 u
bis(2-Chloroethyl)ether	mg/l	0.01 u
bis(2-Chloroisopropyl)ether	mg/l	0.01 u
bis(2-Ethylhexyl)phthalate	mg/l	0.0012 u
Butyl benzyl phthalate	mg/l	0.005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:51 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030023	2307100020	2307170093	2307240025	2307240030	2307310043
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded					

Chrysene	mg/l	0.005 u
Dibenzofuran	mg/l	0.005 u
Diethyl phthalate	mg/l	0.005 u
Dimethyl phthalate	mg/l	0.005 u
Di-N-Butyl phthalate	mg/l	0.01 u
Di-N-Octyl phthalate	mg/l	0.01 u
Fluorene	mg/l	0.005 u
Hexachlorobenzene	mg/l	0.005 u
Hexachlorobutadiene	mg/l	0.01 u
Hexachlorocyclopentadiene	mg/l	0.01 u
Hexachloroethane	mg/l	0.005 u
Isophorone	mg/l	0.005 u
Nitrobenzene	mg/l	0.005 u
N-Nitrosodimethylamine	mg/l	0.005 u
N-Nitroso-di-N-propylamine	mg/l	0.005 u
N-Nitrosodiphenylamine	mg/l	0.005 u
Pyrene	mg/l	0.005 u
2,4,6-Trichlorophenol	ug/l	5 u
2,4-Dimethylphenol	ug/l	5 u
2,4-Dinitrophenol	ug/l	50 u
2-Chlorophenol	ug/l	5 u
Acenaphthylene	ug/l	5 u
Benz(a)anthracene	ug/l	5 u
Benzo(a)pyrene	ug/l	5 u
Benzo(b)fluoranthene	ug/l	5 u
Dibenz(a,h)anthracene	ug/l	10 u
Fluoranthene	ug/l	5 u
Indeno(1,2,3-cd)pyrene	ug/l	10 u
Naphthalene	ug/l	5 u
p-Chloro-m-cresol	ug/l	5 u
Pentachlorophenol	ug/l	20 u
Phenanthrene	ug/l	5 u
Phenol	ug/l	5 u
<b>VOAs</b>		
1,1,1-Trichloroethane	mg/l	0.0005 u
1,1,1,2-Tetrachloroethane	mg/l	0.0005 u
1,1,2-Trichloroethane	mg/l	0.0005 u
1,1-Dichloroethane	mg/l	0.0051 v
1,1-Dichloroethene	mg/l	0.0005 u
1,2,4-Trichlorobenzene	mg/l	0.005 u
1,2-Dichlorobenzene	mg/l	0.0005 u
1,2-Dichloroethane	mg/l	0.0065 v
1,2-Dichloropropane	mg/l	0.0005 u

See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/13/2003 3:55:51 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	7/2/2003	7/9/2003	7/16/2003	7/23/2003	7/23/2003	7/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2307030023	2307100020	2307170093	2307240025	2307240030	2307310043
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded					

1,3-Dichlorobenzene	mg/l					0.0005 u
1,4-Dichlorobenzene	mg/l					0.0005 v
2-Hexanone	mg/l					0.01 u
4-Methyl-2-pentanone	mg/l					0.01 u
Acetone	mg/l					0.01 u
Acrolein	mg/l					0.05 u
Acrylonitrile	mg/l					0.05 u
Bromodichloromethane	mg/l					0.0005 u
Bromoform	mg/l					0.0005 u
Bromomethane	mg/l					0.0005 u
Carbon disulfide	mg/l					0.0005 u
Carbon tetrachloride	mg/l					0.0005 u
Chlorobenzene	mg/l					0.0005 u
Chloroethane	mg/l					0.0005 u
Chloroform	mg/l					0.028 v
Chloromethane	mg/l					0.0005 u
cis-1,2-Dichloroethene	mg/l					0.0005 u
cis-1,3-Dichloropropene	mg/l					0.0005 u
Dibromochloromethane	mg/l					0.0005 u
Dichlorodifluoromethane	mg/l					0.0005 u
m,p-Xylene	mg/l					0.0005 u
Methyl ethyl ketone	mg/l					0.01 u
Methylene chloride	mg/l					0.003 u
o-Xylene	mg/l					0.0005 u
Styrene	mg/l					0.0005 u
Tetrachloroethene	mg/l					0.0005 u
trans-1,2-Dichloroethylene	mg/l					0.0005 u
trans-1,3-Dichloropropene	mg/l					0.0005 u
Trichloroethene	mg/l					0.0012 v
Trichlorofluoromethane	mg/l					0.0005 u
Vinylacetate	mg/l					0.01 u
Vinylchloride	mg/l					0.0005 u
Benzene	ug/l					0.5 u
Ethylbenzene	ug/l					0.5 u
Toluene	ug/l					0.5 u

See analytical flag codes on last page.

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:43:58 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	8/6/2003	8/13/2003	8/20/2003	8/27/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2308070022	2308140014	2308210014	2308280017
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
	Remarks	Superseded			

### Other

Apparent Color	ACU	10 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	6270 v	4250 v	6320 v	6310 v
Laboratory pH	s.u.	7.3 v	7.3 v	7.3 v	7.3 v

### Metals

Chromium	mg/l	0.046 vd	0.047 vd	0.043 v	0.047 vd
Chromium-hexavalent	mg/l	0.047 v	0.05 v	0.005 u	0.046 v

### Inorganics

Percent Unionized Ammonia	%	1.1 v	1.1 v	1.1 v	1.1 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	2100 vd	2200 vd	2000 vd	2200 vd
Nitrate (as N)	mg/l	9.4 vd	9.4 vd	8.6 vd	8.6 vd
Nitrate/Nitrite	mg/l	9.4 v	9.4 v	8.6 v	8.6 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.26 v
Total Phosphorus-P	mg/l	0.01 u	0.01 v	0.01 u	0.02 v
Chlorate	ug/l	160000 vd	170000 vd	160000 vd	160000 vd
Perchlorate	ug/l	110000 vd	110000 vd	110000 vd	110000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p >40% rpd between primary 1deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:43:23 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	8/6/2003	8/13/2003	8/20/2003	8/27/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2308070020	2308140012	2308210012	2308280015
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded			

### Other

Apparent Color	ACU	10 v	15 v	10 v	10 v
Total Dissolved Solids	mg/l	4320 v	6450 v	4250 v	4240 v
Laboratory pH	s.u.	7.3 v	7.3 v	7.3 v	7.3 v

### Metals

Chromium	mg/l	0.005 ud	0.005 ud	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.005 u	0.005 u	0.031 v	0.005 u

### Inorganics

Percent Unionized Ammonia	%	1.1 v	1.1 v	1.1 v	1.1 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.051 v	0.055 v	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1400 vd	1400 vd	1300 vd	1300 vd
Nitrate (as N)	mg/l	4 ud	4 ud	4 ud	2.5 vd
Nitrate/Nitrite	mg/l	0.2 u	0.2 u	0.2 u	2.5 v
Nitrite	mg/l	4 ud	4 ud	4 ud	2 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.29 v	0.2 u	0.2 u	0.41 v
Total Phosphorus-P	mg/l	0.02 v	0.01 v	0.04 v	0.04 v
Chlorate	ug/l	38000 vd	35000 vd	37000 vd	38000 vd
Perchlorate	ug/l	31000 vd	31000 vd	30000 vd	30000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:42:57 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	8/6/2003	8/13/2003	8/20/2003	8/27/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2308070021	2308140013	2308210013	2308280016
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

**Other**

Apparent Color	ACU	3 v	3 v	3 v	3 v
Total Dissolved Solids	mg/l	5650 v	5600 v	5620 v	5530 v
Total Suspended Solids	mg/l	10 u	5 u	10 u	10 u
Laboratory pH	s.u.	7.3 v	7.3 v	7.3 v	7.3 v

**Metals**

Boron	mg/l	2.7 vd	2.6 vd	2.8 vd	2.9 vd
Chromium	mg/l	0.022 vd	0.025 vd	0.029 vd	0.026 vd
Chromium-hexavalent	mg/l	0.023 v	0.03 v	0.046 v	0.024 v
Iron	mg/l	0.2 ud	0.2 ud	0.2 ud	0.2 ud
Manganese	mg/l	0.34 vd	0.32 vd	0.32 vd	0.35 vd

**Inorganics**

Percent Unionized Ammonia	%	1.1 v	1.1 v	1.1 v	1.1 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1900 vd	2100 vd	1800 vd	2000 vd
Nitrate (as N)	mg/l	7.5 vd	7.5 vd	7.2 vd	7.2 vd
Nitrate/Nitrite	mg/l	7.5 v	7.5 v	7.2 v	7.2 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.44 v	0.35 v	0.34 v	0.27 v
Total Phosphorus-P	mg/l	0.02 v	0.01 u	0.01 u	0.04 v
Chlorate	ug/l	110000 vd	110000 vd	130000 vd	120000 vd
Perchlorate	ug/l	43 v	1400 vd	47 vd	840 vd

**Radiologic**

Gross Alpha	pCi/l	14 v	13 u	15 v	23 v
Ra-226 - soluble	pCi/l	0.4 u	0.2 u	0.2 u	0.3 u
Ra-228 - soluble	pCi/l	0.4 u	0.3 u	0.4 u	0.4 u

**Hydrocarbon**

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/17/2003 1:32:38 PM

Sample Type:	Station (Site)	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
Water	Sample Date	9/3/2003	9/10/2003	9/17/2003	9/24/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2309040043	2309110030	2309180023	2309250006
	Sample Number	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT	SITE IX INFLUENT
	Remarks	Superseded			

Other					
Apparent Color	ACU	10 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	6520 v	6400 v	6490 v	6460 v
Laboratory pH	s.u.	7.3 v	7.8 v	7.5 v	7.4 v
Metals					
Chromium	mg/l	0.052 vd	0.045 v	0.044 vd	0.043 vd
Chromium-hexavalent	mg/l	0.049 v	0.046 v	0.045 v	0.046 v
Inorganics					
Percent Unionized Ammonia	%	1.1 v	3.39 v	1.73 v	1.38 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	2200 vd	2200 vd	2200 vd	2200 vd
Nitrate (as N)	mg/l	8.3 vd	8.4 vd	13 vd	14 vd
Nitrate/Nitrite	mg/l	8.3 v	8.4 v	13 v	14 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.2 u	0.2 u	0.2 u	0.2 u
Total Phosphorus-P	mg/l	0.02 v	0.03 v	0.03 v	0.03 v
Chlorate	ug/l	170000 vd	150000 vd	160000 vd	150000 vd
Perchlorate	ug/l	120000 vd	11000 vd	110000 vd	110000 vd
Hydrocarbon					
Oil and grease	mg/l	5 u	5 u	5 u	5 u

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	



# Analyses Summary Report

Site Name: Henderson

10/17/2003 1:32:09 PM

Sample Type:	Station (Site)	IX Influent	IX Influent	IX Influent	IX Influent
Water	Sample Date	9/3/2003	9/10/2003	9/17/2003	9/24/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2309040041	2309110028	2309180021	2309250004
	Sample Number	IX INFLUENT	IX INFLUENT	IX INFLUENT	IX INFLUENT
	Remarks	Superseded			

### Other

Apparent Color	ACU	10 v	10 v	10 v	10 v
Total Dissolved Solids	mg/l	4250 v	4340 v	4340 v	4420 v
Laboratory pH	s.u.	7.3 v	7.8 v	7.3 v	7.3 v

### Metals

Chromium	mg/l	0.005 ud	0.0031 v	0.005 ud	0.005 ud
Chromium-hexavalent	mg/l	0.005 u	0.005 u	0.005 u	0.005 u

### Inorganics

Percent Unionized Ammonia	%	1.1 v	3.39 v	1.1 v	1.1 v
25C					
Ammonia (as N)	mg/l	0.058 v	0.05 u	0.05 u	0.052 v
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1400 vd	1300 vd	1400 vd	1400 vd
Nitrate (as N)	mg/l	4 ud	4 ud	4.8 vd	5.2 vd
Nitrate/Nitrite	mg/l	0.2 u	0.2 u	4.8 v	5.25 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.42 v	0.2 u	0.2 u	0.39 v
Total Phosphorus-P	mg/l	0.05 v	0.06 v	0.04 v	0.01 u
Chlorate	ug/l	38000 vd	37000 vd	38000 vd	34000 vd
Perchlorate	ug/l	32000 vd	32000 vd	31000 vd	31000 vd

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/17/2003 1:31:41 PM

Sample Type:	Station (Site)	IX Effluent	IX Effluent	IX Effluent	IX Effluent
Water	Sample Date	9/3/2003	9/10/2003	9/17/2003	9/24/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2309040042	2309110029	2309180022	2309250005
	Sample Number	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT	IX EFFLUENT
	Remarks	Superseded			

### Other

Apparent Color	ACU	5 v	3 v	3 v	3 v
Total Dissolved Solids	mg/l	5650 v	5670 v	5560 v	5750 v
Total Suspended Solids	mg/l	10 u	10 u	10 u	10 u
Laboratory pH	s.u.	7.4 v	7.8 v	7.3 v	7.3 v

### Metals

Boron	mg/l	2.7 vd	2.7 vd	2.6 vd	15 vd
Chromium	mg/l	0.037 vd	0.033 vd	0.03 vd	0.031 vd
Chromium-hexavalent	mg/l	0.034 v	0.031 v	0.034 v	0.031 v
Iron	mg/l	0.3 ud	0.2 ud	0.2 ud	1 ud
Manganese	mg/l	0.36 vd	0.33 vd	0.35 vd	0.32 vd

### Inorganics

Percent Unionized Ammonia	%	1.38 v	3.39 v	1.1 v	1.1 v
25C					
Ammonia (as N)	mg/l	0.05 u	0.05 u	0.05 u	0.05 u
Biochemical oxygen demand	mg/l	3 u	3 u	3 u	3 u
Chloride	mg/l	1900 vd	1900 vd	2400 vd	2000 vd
Nitrate (as N)	mg/l	6.8 vd	6.9 vd	9.4 vd	12 vd
Nitrate/Nitrite	mg/l	6.8 v	6.9 v	9.4 v	12 v
Nitrite	mg/l	4 ud	4 ud	4 ud	4 ud
sulfide	mg/l	0.1 u	0.1 u	0.1 u	0.1 u
Total Kjeldahl Nitrogen	mg/l	0.27 v	0.34 v	0.2 v	0.34 v
Total Phosphorus-P	mg/l	0.03 v	0.05 v	0.03 v	0.05 v
Chlorate	ug/l	130000 vd	130000 vd	110000 vd	120000 vd
Perchlorate	ug/l	190 vd	82 vd	850 vd	40 vd

### Radiologic

Gross Alpha	pCi/l	38 v	21 v	17 v	25 v
Ra-226 - soluble	pCi/l	0.1 u	0.3 u	1.5 v	0.3 u
Ra-228 - soluble	pCi/l	0.3 u	0.4 u	0.4 u	0.3 u

### Hydrocarbon

Oil and grease	mg/l	5 u	5 u	5 u	5 u
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### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:54:30 PM

Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	7/5/2003	7/5/2003	7/5/2003	7/12/2003	7/12/2003	7/12/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2308130036	2308130022	2308130037	2308130039	2308130038	2308130040
	Sample Number	OMP 6-29-3 TO 7-5-3		OMP 6-29-03 TO 7-5-3F	COMP 6-29-3/7-5-3	OMP 7-6-3 TO 7-12-3	OMP 7-6-3 TO 7-12-3F
	Remarks	Superceded					

**Inorganics**

Perchlorate	ug/l	820 vd	36000 vd	120000 vd	870 vd	35000 vd	120000 vd
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See analytical flag codes on last page.

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:54:30 PM

Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	7/19/2003	7/19/2003	7/19/2003	7/26/2003	7/26/2003	7/26/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2308130042	2308130041	2308130043	2308130045	2308130044	2308130046
	Sample Number	MP 7-13-3 TO 7-19-3	MP 7-13-3 TO 7-19-3	COMP 7-13-3/7-19-3	COMP 7-20-3/7-26-3	MP 7-20-3 TO 7-26-3	COMP 7-20-3/7-26-3
	Remarks	Superseded					

## Inorganics

Perchlorate	ug/l	250 vd	36000 vd	120000 vd	290 vd	34000 vd	110000 vd
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## Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		

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**Analyses Summary Report****Site Name:** Henderson10/15/2003 3:54:02 PM

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Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	8/9/2003	8/9/2003	8/9/2003	8/16/2003	8/16/2003	8/16/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2309080040	2309080039	2309080041	2309080043	2309080042	2309080044
	Sample Number	MP 8-3-03 TO 8-9-03	MP 8-3-03 TO 8-9-03	F-COMP 8-3-3/8-9-03	P 8-10-03 TO 8-16-03	P 8-10-03 TO 8-16-03	-COMP 8-10-3/8-16-3
	Remarks	Superseded					

**Inorganics**

Perchlorate	ug/l	220 vd	31000 vd	110000 vd	520 vd	31000 vd	110000 vd
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See analytical flag codes on last page.

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**Analyses Summary Report****Site Name: Henderson****10/15/2003 3:54:02 PM**

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Sample Type:	Station (Site)	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp	IX Effluent-Comp	IX Influent-Comp	X INFLUENT-Comp
Water	Sample Date	8/23/2003	8/23/2003	8/23/2003	8/30/2003	8/30/2003	8/30/2003
	Lab	MWL	MWL	MWL	MWL	MWL	MWL
	Lab Number	2309080046	2309080045	2309080047	2309080049	2309080048	2309080050
	Sample Number	P 8-17-03 TO 8-23-03	P 8-17-03 TO 8-23-03	-COMP 8-17-3/8-23-3P 8-24-03 TO 8-30-03	P 8-24-03 TO 8-30-03	-COMP 8-24-03 TO 8-30-03	-COMP 8-24-3/8-30-3
	Remarks	Superseded					

**Inorganics**

Perchlorate	ug/l	180 vd	29000 vd	93000 vd	950 vd	30000 vd	110000 vd
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**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		

# Analyses Summary Report

Site Name: Henderson

10/17/2003 1:34:35 PM

Sample Type:	Station (Site)	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp	IX Effluent-Comp
Water	Sample Date	9/6/2003	9/13/2003	9/20/2003	9/27/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2309300076	2309300080	2309300083	2309300086
	Sample Number	IX Effluent-COMP	IX Effluent-COMP	IX Effluent-COMP	IX Effluent-COMP
	Remarks				
	Superseded				

## Inorganics

Perchlorate	ug/l	200 vd	89 vd	440 vd	170 vd
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## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

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# Analyses Summary Report

Site Name: Henderson

10/17/2003 1:33:50 PM

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Sample Type: Station (Site) X INFLUENT-Comp X INFLUENT-Comp X INFLUENT-Comp X INFLUENT-Comp  
Water Sample Date 9/6/2003 9/13/2003 9/20/2003 9/27/2003  
Lab MWL MWL MWL MWL  
Lab Number 2309300078 2309300081 2309300084 2309300087  
Sample Number SITE Influent-COMP SITE Influent-COMP SITE Influent-COMP SITE Influent-COMP  
Remarks  
Superseded

### Inorganics

Perchlorate ug/l 120000 vd 110000 vd 110000 vd 110000 vd

### Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		



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**Analyses Summary Report**

Site Name: Henderson

10/17/2003 1:34:11 PM

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Sample Type:	Station (Site)	IX Influent-Comp	IX Influent-Comp	IX Influent-Comp	IX Influent-Comp
Water	Sample Date	9/6/2003	9/13/2003	9/20/2003	9/27/2003
	Lab	MWL	MWL	MWL	MWL
	Lab Number	2309300077	2309300079	2309300082	2309300085
	Sample Number	IX Influent-COMP	IX Influent-COMP	IX Influent-COMP	IX Influent-COMP
	Remarks				
	Superseded				

**Inorganics**

Perchlorate	ug/l	30000 vd	32000 vd	32000 vd	31000 vd
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**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		

**ATTACHMENT 3**

**Las Vegas Wash  
Analytical**

-

**Facility Upgradient  
Groundwater Well  
Analytical**

# Analyses Summary Report

Site Name: Henderson

9/5/2003 3:14:31 PM

Sample Type:	Station (Site)	LVW Upgradient	LVW Upgradient
Water	Sample Date	7/2/2003	7/16/2003
	Lab	MWL	MWL
	Lab Number	2307030018	2307170079
	Sample Number	LVW UPGRAIENT	LVW UPGRAIENT
	Remarks		
	Superseded		

## Other

Apparent Color	ACU	15 v	15 v
Total Dissolved Solids	mg/l	1640 v	1720 v

## Metals

Boron	mg/l	0.54 vd	0.56 vd
Chromium	mg/l	0.0018 v	0.001 u
Copper	mg/l	0.0041 v	0.0029 v
Iron	mg/l	0.2 ud	0.2 ud
Manganese	mg/l	0.045 v	0.04 v
Molybdenum	mg/l	0.027 v	0.03 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.067 v
Chloride	mg/l	310 vd	310 vd
Fluoride	mg/l	1 v	1 v
Nitrate (as N)	mg/l	17 vd	16 vd
Nitrate/Nitrite	mg/l	17 v	16.1 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	41 vd	68 vd

## Radiologic

Gross Alpha	pCi/l	2.48 u	5.5 v
Ra-226 - soluble	pCi/l	0.2 u	0.2 u
Ra-228 - soluble	pCi/l	0.4 u	0.3 u

## Analytic Flag Codes:

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		

# Analyses Summary Report

Site Name: Henderson

9/5/2003 3:12:45 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	7/2/2003	7/16/2003
	Lab	MWL	MWL
	Lab Number	2307030019	2307170082
	Sample Number	LVW 6.05	LVW 6.05
	Remarks		
	Superseded		

## Other

Apparent Color	ACU	15 v	15 v
Total Dissolved Solids	mg/l	1690 v	1690 v

## Metals

Boron	mg/l	0.53 vd	0.58 vd
Chromium	mg/l	0.0019 v	0.001 u
Copper	mg/l	0.004 v	0.003 v
Iron	mg/l	0.2 ud	0.2 ud
Manganese	mg/l	0.048 v	0.042 v
Molybdenum	mg/l	0.026 v	0.029 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	320 vd
Fluoride	mg/l	1 v	1 v
Nitrate (as N)	mg/l	16 vd	14 vd
Nitrate/Nitrite	mg/l	16 v	14 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	100 vd	100 vd

## Radiologic

Gross Alpha	pCi/l	4.2 v	6.7 v
Ra-226 - soluble	pCi/l	0.3 u	0.2 u
Ra-228 - soluble	pCi/l	0.4 u	0.3 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwm CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

9/5/2003 3:13:19 PM

Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	7/2/2003	7/16/2003
	Lab	MWL	MWL
	Lab Number	2307030020	2307170084
	Sample Number	LVW 5.5	LVW 5.5
	Remarks		
	Superseded		

## Other

Apparent Color	ACU	15 v	15 v
Total Dissolved Solids	mg/l	1660 v	1720 v

## Metals

Boron	mg/l	0.52 vd	0.57 vd
Chromium	mg/l	0.0021 v	0.0011 v
Copper	mg/l	0.0045 v	0.0031 v
Iron	mg/l	0.2 ud	0.2 ud
Manganese	mg/l	0.049 v	0.042 v
Molybdenum	mg/l	0.027 v	0.029 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.05 u
Chloride	mg/l	330 vd	320 vd
Fluoride	mg/l	1 v	0.99 v
Nitrate (as N)	mg/l	16 vd	15 vd
Nitrate/Nitrite	mg/l	16 v	15 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	100 vd	100 vd

## Radiologic

Gross Alpha	pCi/l	3.04 u	3 u
Ra-226 - soluble	pCi/l	0.3 u	0.4 u
Ra-228 - soluble	pCi/l	0.4 u	0.3 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:49:12 PM

Sample Type:	Station (Site)	LVW Upgradient	LVW Upgradient
Water	Sample Date	8/6/2003	8/20/2003
	Lab	MWL	MWL
	Lab Number	2308070023	2308210015
	Sample Number	LVW UPGRADIEN	LVW UPGRADIEN
	Remarks		
	Superceded		

## Other

Apparent Color	ACU	15 v	30 v
Total Dissolved Solids	mg/l	1640 v	790 v

## Metals

Boron	mg/l	0.58 vd	0.32 v
Chromium	mg/l	0.001 u	0.0089 v
Copper	mg/l	0.004 v	0.013 v
Iron	mg/l	0.2 ud	7.3 v
Manganese	mg/l	0.046 v	0.21 v
Molybdenum	mg/l	0.025 v	0.013 v

## Inorganics

Ammonia (as N)	mg/l	1.11 v	0.116 v
Chloride	mg/l	310 vd	91 vd
Fluoride	mg/l	1 v	0.44 v
Nitrate (as N)	mg/l	13 vd	4.2 vd
Nitrate/Nitrite	mg/l	14.1 v	4.32 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	26 vd	13 vd

## Radiologic

Gross Alpha	pCi/l	3.1 v	3.5 v
Ra-226 - soluble	pCi/l	0.2 u	0.4 v
Ra-228 - soluble	pCi/l	0.4 u	0.3 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:48:20 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	8/6/2003	8/20/2003
	Lab	MWL	MWL
	Lab Number	2308070024	2308210016
	Sample Number	LVW 6.05	LVW 6.05
	Remarks		
	Superseded		

## Other

Apparent Color	ACU	15 v	25 v
Total Dissolved Solids	mg/l	1620 v	800 v

## Metals

Boron	mg/l	0.57 vd	0.26 v
Chromium	mg/l	0.001 u	0.0096 v
Copper	mg/l	0.0043 v	0.013 v
Iron	mg/l	0.2 ud	7.5 v
Manganese	mg/l	0.043 v	0.22 v
Molybdenum	mg/l	0.025 v	0.012 v

## Inorganics

Ammonia (as N)	mg/l	0.991 v	0.098 v
Chloride	mg/l	320 vd	94 vd
Fluoride	mg/l	0.99 v	0.43 v
Nitrate (as N)	mg/l	13 vd	4.3 vd
Nitrate/Nitrite	mg/l	14 v	4.4 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	63 vd	14 vd

## Radiologic

Gross Alpha	pCi/l	6.1 v	5.8 v
Ra-226 - soluble	pCi/l	0.3 u	0.4 u
Ra-228 - soluble	pCi/l	0.4 u	0.3 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:48:45 PM

Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	8/6/2003	8/20/2003
	Lab	MWL	MWL
	Lab Number	2308070025	2308210017
	Sample Number	LVW 5.5	LVW 5.5
	Remarks		
	Superseded		

## Other

Apparent Color	ACU	15 v	30 v
Total Dissolved Solids	mg/l	1670 v	790 v

## Metals

Boron	mg/l	0.61 vd	0.27 v
Chromium	mg/l	0.001 u	0.01 v
Copper	mg/l	0.005 v	0.018 v
Iron	mg/l	0.2 ud	8.4 v
Manganese	mg/l	0.046 v	0.24 v
Molybdenum	mg/l	0.025 v	0.012 v

## Inorganics

Ammonia (as N)	mg/l	1.08 vd	0.114 v
Chloride	mg/l	330 vd	87 vd
Fluoride	mg/l	1 v	0.42 v
Nitrate (as N)	mg/l	13 vd	3.9 vd
Nitrate/Nitrite	mg/l	14.1 v	4.01 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	65 vd	13 vd

## Radiologic

Gross Alpha	pCi/l	3.15 u	3.3 v
Ra-226 - soluble	pCi/l	0.2 u	0.5 v
Ra-228 - soluble	pCi/l	0.4 u	0.3 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p >40% rpd between primary 1deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	



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**Analyses Summary Report**

Site Name: Henderson

10/15/2003 3:47:55 PM

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Sample Type:	Station (Site)	LVW 0.55	LVW 0.55
Water	Sample Date	8/6/2003	8/20/2003
	Lab	MWL	MWL
	Lab Number	2308070026	2308210018
	Sample Number	LVW 0.55	LVW 0.55
	Remarks		
	Superseded		

**Inorganics**

Ammonia (as N)	mg/l	0.993 v	0.07 v
Total Phosphorus-P	mg/l	0.02 v	0.81 v
Perchlorate	ug/l	260 vd	81 vd

**Analytic Flag Codes:**

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:49:40 PM

Sample Type:	Station (Site)	LVW Upgradient	LVW Upgradient
Water	Sample Date	9/3/2003	9/17/2003
	Lab	MWL	MWL
	Lab Number	2309040044	2309180025
	Sample Number	LVW UPGRADIENT	LVW UPGRADIENT
	Remarks	Superceded	

### Other

Apparent Color	ACU	15 v	15 v
Total Dissolved Solids	mg/l	1640 v	1700 v

### Metals

Boron	mg/l	0.49 vd	0.68 vd
Chromium	mg/l	0.0014 v	0.001 u
Copper	mg/l	0.0057 v	0.0035 v
Iron	mg/l	0.6 vd	0.2 ud
Manganese	mg/l	0.06 v	0.06 v
Molybdenum	mg/l	0.025 v	0.027 v

### Inorganics

Ammonia (as N)	mg/l	0.058 v	0.309 v
Chloride	mg/l	280 vd	300 vd
Fluoride	mg/l	0.91 v	0.99 v
Nitrate (as N)	mg/l	14 vd	16 vd
Nitrate/Nitrite	mg/l	14.1 v	16.3 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	40 vd	32 v

### Radiologic

Gross Alpha	pCi/l	4.61 u	3.46 u
Ra-226 - soluble	pCi/l	0.4 u	0.4 u
Ra-228 - soluble	pCi/l	0.4 u	0.4 u

### Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:50:05 PM

Sample Type:	Station (Site)	LVW 6.05	LVW 6.05
Water	Sample Date	9/3/2003	9/17/2003
	Lab	MWL	MWL
	Lab Number	2309040045	2309180026
	Sample Number	LVW 6.05	LVW 6.05
	Remarks		
	Superseded		

## Other

Apparent Color	ACU	15 v	15 v
Total Dissolved Solids	mg/l	1670 v	1670 v

## Metals

Boron	mg/l	0.56 vd	0.68 vd
Chromium	mg/l	0.002 v	0.0011 v
Copper	mg/l	0.0075 v	0.0046 v
Iron	mg/l	0.71 vd	0.2 ud
Manganese	mg/l	0.064 v	0.061 v
Molybdenum	mg/l	0.025 v	0.027 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.253 v
Chloride	mg/l	310 vd	310 vd
Fluoride	mg/l	0.88 v	0.95 v
Nitrate (as N)	mg/l	13 vd	14 vd
Nitrate/Nitrite	mg/l	13 v	14.3 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	100 vd	92 v

## Radiologic

Gross Alpha	pCi/l	5.89 u	3.4 v
Ra-226 - soluble	pCi/l	0.4 u	0.3 u
Ra-228 - soluble	pCi/l	0.4 u	0.4 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

# Analyses Summary Report

Site Name: Henderson

10/15/2003 3:50:26 PM

Sample Type:	Station (Site)	LVW 5.5	LVW 5.5
Water	Sample Date	9/3/2003	9/17/2003
	Lab	MWL	MWL
	Lab Number	2309040046	2309180027
	Sample Number	LVW 5.5	LVW 5.5
	Remarks		
	Superseded		

## Other

Apparent Color	ACU	15 v	15 v
Total Dissolved Solids	mg/l	1660 v	1680 v

## Metals

Boron	mg/l	0.57 vd	0.69 vd
Chromium	mg/l	0.0021 v	0.0012 v
Copper	mg/l	0.0077 v	0.0043 v
Iron	mg/l	0.76 vd	0.2 ud
Manganese	mg/l	0.061 v	0.061 v
Molybdenum	mg/l	0.024 v	0.026 v

## Inorganics

Ammonia (as N)	mg/l	0.05 u	0.249 v
Chloride	mg/l	310 vd	320 vd
Fluoride	mg/l	0.89 v	0.96 v
Nitrate (as N)	mg/l	13 vd	14 vd
Nitrate/Nitrite	mg/l	13 v	14.2 v
Nitrite	mg/l	0.5 ud	0.5 ud
Perchlorate	ug/l	110 vd	99 v

## Radiologic

Gross Alpha	pCi/l	5 v	3.3 v
Ra-226 - soluble	pCi/l	0.3 u	0.8 v
Ra-228 - soluble	pCi/l	0.4 u	0.4 u

## Analytic Flag Codes:

* Surrogate outside QC limits	a Not available	b Analyte detected in blank and sample
c Coelute	d Diluted	e Exceeds calibration range
f Calculated from higher dilution	g Concentration > value reported	i Insufficient sample
j Est. value; conc. < quan. limit	l Less than detection limit	m Matrix interference
n Not measured	p > 40% rpd between primary 1 deg and 2 deg column.	q Uncertain value
s Surrogate	t Trace amount	u Not detected
v Detected value	w Btwn CRDL/IDL	x Surrogate diluted but within QC limits
y Calculated Value	z Unknown	

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**Analyses Summary Report**

Site Name: Henderson

10/15/2003 3:50:54 PM

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Sample Type:	Station (Site)	LVW 0.55	LVW 0.55
Water	Sample Date	9/3/2003	9/17/2003
	Lab	MWL	MWL
	Lab Number	2309040047	2309180028
	Sample Number	LVW 0.55	LVW 0.55
	Remarks		
	Superseded		

**Inorganics**

Ammonia (as N)	mg/l	0.053 v	0.156 v
Total Phosphorus-P	mg/l	0.28 v	0.15 v
Perchlorate	ug/l	270 vd	260 vd

**Analytic Flag Codes:**

*	Surrogate outside QC limits	a	Not available	b	Analyte detected in blank and sample
c	Coelute	d	Diluted	e	Exceeds calibration range
f	Calculated from higher dilution	g	Concentration > value reported	i	Insufficient sample
j	Est. value; conc. < quan. limit	l	Less than detection limit	m	Matrix interference
n	Not measured	p	> 40% rpd between primary 1 deg and 2 deg column.	q	Uncertain value
s	Surrogate	t	Trace amount	u	Not detected
v	Detected value	w	Btwn CRDL/IDL	x	Surrogate diluted but within QC limits
y	Calculated Value	z	Unknown		



# KERR-McGEE CHEMICAL LLC

POST OFFICE BOX 55 - HENDERSON, NEVADA 89009

RECEIVED  
ENVIRONMENTAL  
PROTECTION  
03 AUG 11 AM 11:16

June 25, 2003

Compliance Coordinator  
State of Nevada  
Division of Environmental Protection  
Bureau of Water Permits & Compliance  
333 W. Nye Lane  
Carson City, Nevada 89710

Dear Gentlemen:

SUBJECT: Discharge Monitoring Report (DMR)  
Second Quarter 2003 – Temporary Permit TNEV 2003328

Kerr-McGee Chemical LLC, Kerr-McGee, maintains an NPDES Permit #0023060 for discharge of water treated, as part of their on-going effort to remediate perchlorate in the Henderson area. In March 2003, Kerr-McGee received approval for a Temporary Discharge Permit TNEV2003328 from the Nevada Division of Environmental Protection, which allowed Kerr-McGee to increase the groundwater volume associated with the NPDES Permit NV0023060 activity. The enclosed DMRs (Attachment 1) reflect discharge of treated water which would fall under this temporary increase permit. Listed is the volume discharged in excess of the original NPDES Permit NV0023060.

Should you have any questions concerning this report, please contact me at (702) 651-2234. Thank you.

Sincerely,

Susan M. Crowley  
Staff Environmental Specialist

By overnight mail

cc: LKBailey  
J Dixon  
FRStater  
R Waters  
Todd Croft, NDEP (Las Vegas)  
Doug Zimmerman, NDEP  
Mike Goff, SNWA

**ATTACHMENT 1**

**Discharge Monitoring  
Reports (DMR)**

PERMITTEE NAME/ADDRESS:  
 KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER: TNEV 2003328  
 DISCHARGE NUMBER: 001

ACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 FROM: 03 | 03 | 01 TO 03 | 03 | 31  
 SUSAN M. CROWLEY

03 AUG 11 AM 11:16

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT				
low	0.010	0	MGD					0	Cont	Flow Meter	
fluent	0.37 MGD MAXIMUM	0.42 MGD MAXIMUM									
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
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SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											

I AM / TITLE PRINCIPAL EXECUTIVE OFFICER  
 Susan Crowley  
 Staff Environmental Specialist  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 OFFICER OR AUTHORIZED AGENT

TELEPHONE: 702-651-2200  
 AREA CODE NUMBER: 702-651-2200  
 DATE: 03 | 07 | 25  
 YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

Form by WinbowChem/07984-0945.pht10605.01/4/198



PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 TNEV 2003328  
 PERMIT NUMBER  
 DISCHARGE NUMBER 001

ACILITY: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 ATTN: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 03 | 04 | 01 TO 03 | 04 | 30 NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				UNITS	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	30 Day Ave	7 Day Ave		30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT			
Flow	SAMPLE MEASUREMENT	0.103	0.005		MGD					0	Cont	Flow Meter
	PERMIT REQUIREMENT	0.37 MGD Maximum	0.42 MGD Maximum									
Effluent	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
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	PERMIT REQUIREMENT											
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	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
Monitor & Report												
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER Susan Crowley										TELEPHONE	DATE	
Staff Environmental Specialist TYPED OR PRINTED										702-651-2200	03   07   25	
COMMENT AND EXPLANATION OF ANY VIOLATIONS										AREA CODE NUMBER	YEAR MO DAY	
										702-651-2200	03   07   25	

*Susan Crowley*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

Form by WastewChem (7/7/84-8845.rpt) 1/89/03.01/4/198

(Reference all attachments here)

PERMITTEE NAME/ADDRESS:  
 NAME: KERR-McGEE CHEMICAL LLC  
 ADDRESS: PO BOX 55  
 HENDERSON, NV 89009-7000

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 TNEV 2003328  
 PERMIT NUMBER

DISCHARGE NUMBER  
 001

PLANT: KERR-McGEE CHEMICAL LLC  
 LOCATION: HENDERSON, NV  
 ATTN: SUSAN M. CROWLEY

MONITORING PERIOD  
 FROM 03 | 05 | 01 TO 03 | 05 | 31

NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	30 Day Ave	7 Day Ave	UNITS	30 Day Ave (mg/l)	7 Day Ave (mg/l)	30 Day Ave (lb/day)	UNIT				
Flow	SAMPLE MEASUREMENT	0.131	0.013	MGD				0	Cont	Flow Meter	
	PERMIT REQUIREMENT	0.37 MGD Maximum	0.42 MGD Maximum								
Effluent	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE: PRINCIPAL EXECUTIVE OFFICER <b>Susan Crowley</b> Staff Environmental Specialist TYPED OR PRINTED											
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Susan Crowley</i> TELEPHONE: 702-651-2200 AREA CODE NUMBER: 702-651-2200 DATE: 03   07   25 OFFICER OR AUTHORIZED AGENT											

I CERTIFY UNDER PENALTY OF LAW THAT THE DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY OBTAIN AND EVALUATE THE INFORMATION FURNISHED, BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS SUBJECT TO THIS REPORT. I AM NOT PROVIDING THIS INFORMATION FOR THE PURPOSE OF OBTAINING OR SECURING A CONTRACT, AND I AM NOT PROVIDING THIS INFORMATION FOR THE PURPOSE OF OBTAINING OR SECURING A CONTRACT, AND I AM NOT PROVIDING THIS INFORMATION FOR THE PURPOSE OF OBTAINING OR SECURING A CONTRACT.

