	UNITED STATES GOVERNMENT	may 22 181	
		INSTRUCTIO	
	011 000	Use routing symbols whene	
	2-Way Memo TSC-14-1-(81)-33	SENDER (Originator of mes Use brief, informal langu	issage): Jage.
		Conserve space. Forward original and one	е сору.
Subject:	company, Henderson, Nevada AS 155 Notifier.	RECEIVER (Replier to mes Reply below the mess copy, return one copy.	ssage): age, keep one
	• •	ATE OF MESSAGE	ROUTING SYMBO
From :		July 10, 198]	
FIAM .	Kathleen Shimmin, Chief Water Branch	-	<u> </u>
•••	Water Branch the second	GNATURE OF ORIGINATOR	
-	Fred Hoffman	TITLE OF ORIGINATOR Chie	 \
	Air & Hazardous Matls. Division	Air & Haz. Mat	ls. Bra
FOLD	INITIAL MESSAGE		'
•	Attached is a RCRA Facility Investigation Repor	t for Kerr-McC	Gee
	Chemical Company, Henderson, Nevada plant.		
	No RCRA violations were observed during this in	vestigation.	•
	There are three attachments to this report. Whi	ch include:	
	There are three attachments to this report, whi	ch include:	ant and
		· .	- 5085 - 50 60 1 - 5000 - 50
		· .	1991 - 1991 1997 - 1993 1997 - 199
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker 	ity Form.	· · ·
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. 	ity Form.	· · ·
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker 	ity Form.	· · ·
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form.	
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker 	ity Form.	
· · · · ·	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form.	
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	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form.	
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	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form.	
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form.	· · ·
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form. r-McGee Chem.	Co. ,
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form.	
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form. r-McGee Chem.	Co. ,
	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form. r-McGee Chem.	Co.,
То :	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form. r-McGee Chem.	Co., ROUTING SYME S-2
To :	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. REPLY MESSAGE R. Michael Stonburg, Chief	ity Form. r-McGee Chem.	Co., ROUTING SYME S-2
To	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. 	ity Form. r-McGee Chem.	Co., ROUTING SYME S-2
To :	 EPA Notification of Hazardous Waste Activ EPA Hazardous Waste Permit, Part A. NPDES Compliance Monitoring Report on Ker Henderson, Nevada. REPLY MESSAGE R. Michael Stonburg, Chief	ity Form. r-McGee Chem. Date of Reply Signature of Replier	Co., ROUTING SYME S-2

TSC 14-1(81)33

C. B. Armstrong Kerr-McGee Chemical Company Lake Mead Drive Henderson NV 89015

Dear Mr. Armstrong:

A hazardous waste investigation was made at Kerr-McGee Chemical Company on May 22, 1981. During the course of this investigation information was gathered by EPA in accordance with Section 3007 of the Resource Conservation and Recovery Act. A copy of the investigation report is enclosed for your information.

The deficiencies or violations that may be noted in the report are not necessarily inclusive and any omission to cite other violations or deficiencies is not intended to nor shall be binding upon the Agency.

Comments may be provided by you concerning any aspect of the report. In your response please refer to report number TSC 14-1(81)33.

EPA routinely provides copies of investigation reports to State agencies. Such releases will be handled according to the basic rules governing business confidentiality claims contained in the Code of Federal Begulations (40 CFR Part 2). Any claim of confidentiality should be made within fifteen (15) working days from the receipt of this letter. EPA will construe a failure to furnish timely comments as a waiver of the confidentiality claim.

If you have questions concerning this report, please contact Robert Mandel, Chief, Hazardous Materials Section at (415)556-8752.

Sincerely yours,

R. Michael Stenburg, Chief Air and Hazardous Materials Branch Surveillance and Analysis Division

Enclosures

bc: R-5-3 A-3-3 5-2-2, Marcus

EPA REGION IX FACILITY INVESTIGATION REPORT Kerr-McGae Chemical Corp. Company Name: Late Mead Drive Street Address: Hendersch, Nevada 89,015 City/State/Zip: 102 565-8901. Phone Number: Mailing Address (if different from above): Sama Facility Representative(s) & Titles: Emstrong Plant Manager 1. Pia, Hozardous Waster 21/3 Mor. 2. RIChard Mah land of Plant Technica SUMOR 3. erry Bentley, EPA Investigator(s): Landy Marcus (RCRA/ 1. Lavognino (air) zary 2. Other Participants/Agencies: Nevada Div. of Envir Protection (Frank Steinberg) Date(s) of Investigation: Man 22 1981 9/M. Purpose of Investigation: <u>RCRA-C ISS investigation</u> collection in specific (G. Lawroning) aler

pages. Magder, Person(s) Interviewed Type of Business: Manufacturing of inorganic chemicals. About 220 employees. Process Description: MFg. of industrial chemicals incl. sodium chlorate, ammonium perchlorate, potassiumperchlorare, manganese dioxide, boron trichlaride, boron tribramide elemental boron. For description of industrial masses see NEDES Compliance Monitoring Report by Ken Greenberg, June 1930. Process By-Products: 1 1/2 Cloopneces : Filtercale-Caso: CaCoz grenhits earth a. Parchbrates ": 513- edez: " " " Comic hydroxide, 3. My On moss: Salie was series alloghand solution, iron, heavy metals 4: Boron clemicals: leachate stream containing magnesium suffate and wer scrubber stream, discharged to wast pond. comments: Kern-Ma Goe MPDES commit pequines that Wastewater pends to be constructed on that they aminin 24 with stand with ho dischare the one In 100 yr. Flood, and prevent escape of wastemater by leakage. Permit als requires conto submit to EPA a summary of monthing results for segmed teatorsyn har dra Wastewalespuds - 8 ponde - 2 process ponde inter regard -For Macida; One pond phisthet's schi, enling tomor, R steam waste; 2 ponds- Cr (0H)3 Sturge; I couling tomen emergpond: 1 had - born waste & horar chrome - lists See NPDES Compliance Monitoring Report on Term McGee, for Table of the company's warden price

Listed Ponds: all have liners-single-lined. Btypes- FVC bottom, Cill, polyeth Side wally "all butst rubber & hylen methods Submitted Monitor for leakage - methods Submitted to EPA 5 years ago. Monitority leakage by inventorying. Hie level of water & inflow rates. Water levels plotted on large graph. Ponds compared with each other and agents Latre Mood evaporation records; K-M. Hydrology Dept is studying feasibility of monitoring wells, at Henderson, NV. plant KM-Wells not needed at landfill(K-M). •

Company Na	ame Kerr-McGore Page 3
	SENERATOR PRE-TRANSPORT COMPLIANCE CHECKLIST No wosters shipped off site, Setan had solvents offsti In ayour orthon, may ship phlomhated solvents offsti In ayour orthon, may ship phlomhated solvents offsti
(262.34)	
***	If "yes", then a generator who accumulates hazardous waste over 90 days is a TSD Facility subject to 40 CFR Part 265. If "no", continue with the following part: Only blank forms. Is waste packaged according to D.O.T.
***	If "no", continue with the following part: Only blank forms.
5. Jan 1997. San 1997	Is waste packaged according to D.O.T. Hazardous Materials Table Column 5(b)? (YES) NO See 49 CFR 172.101. Comment:
	Are containers inspected at least weekly for leaks and corrosion? (265.174) Comment: <u>The Shap Grea</u> .
	Are containers holding ignitable or reactive waste located at least 50 feet from property line? (265.176)
•	Comment: <u>1933 than and drum</u> . Not Applicible -
* Fute	re shipmonts of solvents- FOOI, FOOS, FOO.5-

Neumalizations jang If tanks are used ... store nazardous waste, * * * comple : rt 265 Subpart J chec is for has wasie, excluding Part 265.193 requirements for spice it's a processty waste analysis and trial tests. Are accumulation dates clearly marked and Chings NO waste analysis and trial tests. (265.34)visible for inspection? N. A. Comment: Is each container labeled according to D.O.T. YES NO Hazardous Materials Table Column 4? See 49 CFR 172.101. Comment: Is each container marked according to D.O.T. YES NO Hazardous Materials Table? See 49 CFR 172.101. YES NO Proper Shipping Name? (Hazardous Materials Table Column 2) YES NO Proper Identification Number? (Hazardous Materials Table Column 3A) Is each container of ORM-A,B,C,D, or E waste labeled with its ORM designation? YES NO or N/A Comment: i: . . . Complete Subpart C Checklist Complete Subpart D Checklist

Ker-McGa Company Name Page SUBPART B - GENERAL FACILITY STANDARDS CHECKLIST (265.11) EPA Identification Number: NVD003390330 Waste Analysis Plan (265.13)Is Waste Analysis Plan on site? YES NO Comment: oor manuest MAR For Waste Analysis & other plays Date of Plan: Does the Plan contain: Parameters of analysis of each waste YES NO handled? Rationale for the selection of each parameter? NO Test methods for each parameter? NO Sampling methods for each waste? NO Prequency which each analysis will be reviewed or repeated? YES NO Comments on Waste Analysis Plan: BA COST <u>Dominen</u> S. antrane Monitoring 50 ond A percalation of Treinge Wast Mmy Soi Impervious 0.5 9.3

Ken Mc Gas Page 6 Company Name (265.14)SECURITY Describe the active portions of the facility: lame bldns. on facil with several A 62 C 104/60 Could persons or animals entering these areas be injured by contact with waste, structures, or equipment? YES NČ 2014 Comment: 2 And 12/A nou Could disturbance of the waste or equipment by persons or animals entering these areas cause a violation of any TSD facility YES requirements? Comment: If "no" to both of the above questions, do no complete the following security compliance items: ·Is there a 24 hour surveillance system to monitor and control entry to the active Workers at facility? 244ars/day YES NO Controlled access all the time. Is there a barrier completely surrounding the active portions of the facility and a means to control entry to this area? NO YES Comment: r ei lorate ponds enclosed by . VIII S. ~ >

Is the ressign with the legend "Deger -Unautorised Personnel Keep Out possed at each entrance to the active portions of the facility?

Is there a sign which indicates authorized entry only and that entry can be dangerous? Comment:

OR

Ł۶

Sign at Main & other signs. ₽₽ 0 oscatting the

YES

YES

NO

NO

Company Name

(265.15) GENERAL INSPECTION REQUIREMENTS

What types of problems are expected from deterioration or malfunction of safety, is security, and operating equipment?

man MaG

section of Mazardous Comment: Ċ. - C A Waste 25 That 20S0 manon 10hs 0.4 mai migrationswhich environment 90 Items: ponds; inks, protince to pond S. igne till. Is there an inspection schedule at the facility? NO daily, INCOSC. Comment:

Iner & dilie and Hon weekly. Trinst-fanks dally free Apelinos de pond-why. Landall- biwkiy (cover); and bo Does the schedule indicate each piece of equipment discussed above?

• 🔊

Comment:

Does the schedule indicate the frequency of inspection for each piece of equipment?

YES

NO

NO

1 C / S

Comment:

Does the schedule include daily inspections of loading and unloading areas?



Comment:

em Mc Gas Company Name Page Does the facility maintain an inspection log? NO 102 . and for ponds. Comment: 50 Does the inspection log include: Gato and time of inspection- date, not time. NO name of inspector -initials NO observations recorded NO date and nature of repairs NO Comment: (265.17) General Requirements for ignitable, reactive, or incompatible wastes. What precautions are taken to prevent ignition. or reaction of ignitable or reactive waste? Comment: LARSTEN . đ - . Are "No Smoking" signs posted in these areas? YES NO

Company Name

Page

SUBPART C - PREPAREDNESS AND PREVENTION CHECKLIST Is the facility equipped with the following (265.32)equipment? - Internal alarm system? - Tre alarms N/A NO - Portable fire extinguishers? - Not realth work? NO N/A - Spill control equipment? • Spill would be contrad (20) - Decontamination equipment? Shavers contrading (35) N/A NO Shavers againsto N/A NO - Water at volume to supply hoses, sprinklers, or water spray system? - Notaplic. YES NO N/A blan , On; Comment: TTI DA -26 noul Is the above equipment tested and maintained (265.33)NO N/A for proper operation? Comment: Do employees handling hazardous waste have (265.34)direct access to internal alarm or communication system? - Shone? $\cdot NO$ N/A Is there ever just one employee on premises during operations? N/A YES If "yes" does employee have access to exter-YES nal communication? NO N/A Comment:

2				
• .	ame Kein MeGee			
Company N	ame <u>Perce</u>	Page		
(265.35)	Is there adequate aisle space for the movement of all equipment?	(YES)	NO N/I	
. • • •	Comment:			
		•		
· · ·		•	•	
-		•	-	
·		· •	· ·	
(265.37)	Have arrangements been made with the local authorities? Chom. Wagnes are basically	YES	NO	
,	- With Police?	KES	NO	
·	Police Dep't:	, and the second s		4
• •	With Fire Department? Fire Dep't:	æ	NO	
•	Emergency Response Teams? Response Team: <u>Not Acalicable</u>	YES	NO	
	Local Hospitals? Hospital: And Manyal		NO	· · · .
	Other authorities? List:	YES	NO	3
· . · ·				5
,				
· · · ·			•	
	Have local authorities refused to make	•••		
· ·	arrangements?	YES	NO	
С,	If "yes", is the refusal documented in operating record?	YES	NO	
· *	Comment:			
· ·	•	· ·		
	·			

Kom-Mc Gee Page Company Name SUBPART D - CONTINGENCY PLANNING CHECKLIST Is there a contingency plan; SPCC, or other (265.51)emergency plan amended to include hazardous materials management provisions at the NO facility? ated in 1991. Orig plan written about Date of plan: 10 yrs aga Comment: Sastan Does the plan describe actions to respond to: (265.52)NO Fires? NO Explosions? NO Release of Hazardous Waste? Does the plan describe all the arrangements NO YES made under Subpart C (265.37)? Comment: Does the plan list (names) addresses, and NO phone numbers of emergency coordinators? YES Comment: ames one hum Derg Does the plan list all the equipment under YES Subpart C (265.32)? NO Vetanolicable-five Comment: anticable because ah tina about , la at Wast

Company Name

Kern-Ma Car Page Does the plan describe the location and capabilities of all the equipment? YES NO Comment: Are evacuation procedures described in plan? YES analies Comment: heren be meaded, evalue Crew. MGA Has the plan been submitted to each of the authorities listed under Subpart C (265.37)? NO P, Comment: 7 · . :

	SUPPART E MANIFEST SYSTEM CHECKLIST- NG			14
۹	No manif			
(265.73)	Is a written operating record at the Chi facility?	o memis Yes	NO	
	Does the record contain:			
	 Description of each waste received? Quantity of each waste received? Method of TSD for each waste? Date of TSD for each waste? Location of each waste within facility? Quantity of each waste at each location? Cross-reference to specific manifest document numbers? 	YES YES YES YES YES YES	NO NO NO NO NO	
	Comment:		•	
			· .	
- 7844 • 1			· . ·	
	FOR OFF-SITE FACILITIES, COMPLETE THIS PART:	• .	•	-
1965 71V	Has the facility maintained all manifests?	YES	NO	
	•			
	Comment:			
				• .
	• ,			. '
•			•	
	Has the facility signed the manifests?	YES	NO	
	Comment:			
		•	•	
			• •	
		•		
	요즘 물질 것은 이 요즘 이 이 것이 못했다. 한 사람은 물이 많이 있는 것			
	•			<u>.</u> -
		*	•	
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Kerr-McGez Cherr. Ca.		<u> </u>	SPECIED	ی در در در در در در در در بر هها ر در در در در در در میکند. ههار در در در در در در در در در
Do continuous feed systems have a waste-feed cutoff:	<u> </u>			un an a thair an
Are waste analyses done before the tanks are used to store a substantially different waste than before?				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Are required daily and weekly inspections done? § 265.19 Ask about all five inspections dequined passes	· } / /	Vor	APPIN	and the second
Are reactive & ignitable wastes in tanks protected or rendered non-reactive or non-ignitable? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.) § 265.198 Pg. 33245			•	
 Are incompatible wastes stored in separate tanks? (If not, the provisions of 40 CFR 265.17(b) apply.) 	V		•	
Facilities which store hazardous waste in surface impou	ndments	(Subp	art K) 년	S
 Do surface impoundments have at least 60 cm (2 feet) of freeboard? 	Linstein	1		
. Do earthen dikes have protective cover?	barre			
Are waste analyses done when the impoundment is used to store a substantially different waste than before?	1.5000			
. Is the freeboard level inspected at least daily?	been			
 Are the dikes inspected weekly for evidence of leaks or deterioration? 	in the second second			
Are reactive & ignitable wastes rendered non-reactive or non-ignitable before storage in a surface impound- ment? (If waste is rendered non-reactive or non- ignitable, see treatment requirements.) § 165.219	-		Not Applied:	
Are incompatible wastes stored in different impound- ments? (If not, the provisions of 40 CFR 265.17(b) apply.)	. Lass		•	
he and a state in wasta pilos	(Subpar	+ 1 }	Al 1	i. 11
Facilities which store hazardous waste in waste piles			Net an	<u>inchit</u>
Are waste piles covered or protected from the wind?		· · ·		
Is each in-coming movement of waste analyzed before being added to the waste pile?				
 Are leachate, run-off, and run-on controlled? (The effective date of this provision is Nov. 19, 1980.) 			•	
 Are reactive & ignitable wastes rendered non- reactive or non-ignitable before storage in a pile? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.) 				
Continued on next page				

5-2-2-2/ p.16 Kerr-McGee Chamical Company RCRA Investigation Iraining- listed in training file (H-M). Lists objectives, RCRA personnel & duties. Ting. Session in Jan. 1981. Trng. of each appropriate employee listed in this file. CLOSURG & Post- CLOSUR. Plan -Available at H.M. plant Discusses Closure of landfill, surface impoundments (spec. products & NH4 Cloy & Na Clos, tentrs. Post-closure procedures included. h · Also-Final Closure Final Closure ishot foreseen for the next 30 years. In next 30 yrs waste disposal will require construction of 15 more landifill cills, & doart 5 impoundments lead of property will be amended to notify petential purchaser that land used to manore has ardons waster, that essure will be assaved by contraints, evaluater. Closure Costs & post-closure costs