KMR) C, GCP, JHM

6, 190

30-06652 47-00260-02

From: Kevin M. Ramsey

DMC, JMP2, FCC, GCP, JHM

Date: Wednesday, October 6, 1993 4:22 pm

Subject: Radioactive Pipe Scale in WV - Update

According to Liz O'Finan at Union Carbide (South Charleston, WV), they have received the characterization report from Chase Environmental (Louisville, KY) and it concludes that the contamination in the pipe scale is NORM (primary isotope is Ra-226). I advised Ms. O'Finan that NRC had no jurisdiction over NORM but they should keep West Virginia and EPA advised of their disposal plans. Since the pipe was already rejected by a scrap yard, Union Carbide is considering disposal as LLW at Hanford, WA or shipping the pipe to SEG's metal melt facility. SEG apparently has a licensed facility that melts down slightly contaminated metal, separates the contamination, and recycles the metal.

I believe we can close out this report.

CONVERSATION RECO	ORD	11:30 am	DATE /	(193	,
TYPE	CONFEDENCE	_	••	ROUTING	}
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Location of Visit/Conference:			OUTGOING	]	J
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	ORGANIZATION (Office, detc.)		HONE NO:		
LIZ O'Finan, Union Carbide,	South Charleston	7. WV			
LIZ O'Finan, Union Carbide, SUBJECT Results of Isotopic Analysis	of Contamina	ted Pipe So	ale,	-	
Had conference call with	LIZ O'Finan	(Union Carb	ide) and	d Steve	
Marshall (Chase Environme	intal). Chase	e Environme	ntal was	the	
contractor that characteriz	ed the pipe	e scale. The	he report	1 found	
That confamination was M	vorem and 4	he primary	isotope	aras_	<del></del>
Ra-226. Highest conce					
preocuries/gm. Highest	total activity	, was just	under	2000	
procures/gm, (This is ver	y close to exce	eding the D	ept. of	Transportation	n
definition of radioactive materi	ial.)				
·		÷		,	
Since a scrap yard al	ready rejecte	d the pipe	Uricon	Carbide	
is considering shipping	The material	to Richland	, wA for	- bural	
as LLW or shipping i	t to SEG.	SEG has	a licens	sed metal	
melt facility where they		ate the meta			
contamination and recycle	• •	I told Ms			<del></del>
had no jurisdiction over ACTION REQUIRED and EPA inform	NORM, but	She should	keep W	est Virginia	<u>a_</u>
ACTION REQUIRED and EPA inform	ved of their i	ntentions to	r dispresa	A.	
> No further action require	d by NRC.				
NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE		DATE	1.100	•
Kevin Ramsey, ImoB	Kenin 11	n Karnsey	10	16/93.	
ACTION TAKEN					_
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' & U.S. GPO: 1987—181-247/60121

From: Kevin M. Ramsey (KMR)
To: DMC, FCC, GCP, JHM, JMP

To: DMC, FCC, GCP, JHM, JMP2 Date: Thursday, July 22, 1993 2:28 pm

Subject: Radioactive Pipe Scale in WV - Update

According to Liz O'Finan at Union Carbide (South Charleston, WV), they hired Chase Environmental (Louisville, KY) to characterize the radioactive scale in their pipe. The contractor was onsite about a week ago to take samples and photographs. Ms. O'Finan expects a 2 - 3 week turnaround time for the sample analysis. She will contact us after they have a chance to review the analysis results.

From: Kevin M. Ramsey (KMR)

To: DMC, FCC, JHM, GCP, JMP2

Date: Monday, June 7, 1993 3:35 pm

Subject: Radioactive Pipe Scale in WV - Update

According to Liz O'Finan at Union Carbide (South Charleston, WV), they are still trying to finalize arrangements to sample the pipe scale and get an isotopic analysis. They hope to contract with U.S. Ecology or Chem-Nuclear this week.

304 - 747 - 2987

From: Kevin M. Ramsey DMC, FCC, JHM, GCP, JMP2 To: Date:

Friday, May 7, 1993 3:30 pm

Radioactive Pipe Scale in WV - Update Subject:

I was called by Liz O'Finan who identified herself as the client that Rebecca Robertson had been working for. She is with Union Carbide in South Charleston, WV. She clarified that the contaminated piping includes small sections such as heat exchanger coils. The 6000 pound estimate is the TOTAL weight of the piping. The weight of the scale has not been estimated, but should be a small fraction of the total weight.

The initial analysis of 23.5 picocuries/gram was performed by Halliburton NUS. Union Carbide has been talking to U.S. Ecology about characterizing and disposing of the piping. They have recommended shipment to Richland, WA if burial is required. I pointed out that U.S. Ecology operates the burial sites at Richland, WA and Beatty, NV, and Chem-Nuclear operates the only other burial site in Barnwell, SC. Ms. O'Finan said she would probably call Chem-Nuclear They have not contracted with anyone to characterize the contamination She assured me that they will have the contamination characterized and inform us of the results. Her phone number is (304) 747-2987.

Our records show that Union Carbide Chemicals and Plastics in South Charleston, WV holds a Type A Broad Scope R&D license number 47-00260-02 (Docket 030-06652).

6/7/93 - Still trying to finalize arrangement to take samples of pape scale and have it analyzed. Hope to contract with USE or Chem-Nuclear Yhis week.

CONVERSATION RECO	RD	TIME ~ 2 em	DATE 5/7		
TYPE VISIT	CONFERENCE	TELEPHO	•	ROUTING	
	OOM ENGINGE	<del></del>	INCOMING	NAME/SYMBOL	INT
Location of Visit/Conference:	ODCANIZATION (Office		OUTGOING		
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	ORGANIZATION (Office, c	pept., bureau, 1 12	(304)		
LIZ O'Finan SUBJECT	Union Carb	nde 7	47-2987		
PIPING WITH RADIOACTI	VE PIPE SO	CALE			
SUMMARY LIZ O'Finan called to	Lel me Yh	of the un	es the al	at Wat	
Rebecca Robertson had x					
	1				- <del></del> .,
Carbide in South Charle	•				
15 from a brine cooling					
as heat exchanger cons.					<del></del> :
TOTAL weight of the pro					
alone has not been estim					<del></del> ;
that The initial analysis	or asis pico	curies /gras	n was per	termed_	<del></del> :
by Hallsburton NUS. Union					
about characterizing and	disposing of	the pipe.	When 1	115, O'Finas	<u> </u>
mentioned that U.S. Ecology	recommended s	shipment to	Richland	, WA H	<del></del> .
burial was required, I me	ntioned that	U.S. Ecology	, operated	the burns	<u>d_</u>
sites in Richland and Bear	ty, and Che	m-Nuclear	operated	the site	
in Barnwell, SC. She said s	the would prot	bably talk	to Chem-1	Juclear.	·
Ms O'Finan assured me she	would act as	point-of-co	entact and	keep us into	rmed
Check on status of character	rization in 1-	-Zweeks.			!
	1	***	1		
Kevin Ramsey	Kewi M	Ramsey	DATE	17/93	
ACTION TAKEN	· <del></del>	- J	<del></del>		
		•			
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☆ U.S. GPO: 1987—181-247/60121

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TYPE	VISIT	CONFERENCE	TELE		ROUTING
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Location of Visit/Cont	erence: Intacted or in contact	ORGANIZATION (Off	ice dent hureau.	TELEPHONE NO:	Glangburn_
WITH YOU	•	etc.)		(304)	P Combs
Kebecca Ro	bertson	ERM N	lidwest	341-5623	JPelchat
		who kas Py		(pager)	DCollins
Radioac	tive Scale				JMyers
SUMMARY	rd Ms. R.	bertson to de	extermine	if she cou	ld identify
. '. U		Chemical plant			1 1/ 1
		was not au			. •
· · · · · ·	• •	discussion r		~	
		with the d			_
	V (/	only contracted	<b>A</b> 1 1	Λ .	4
		ation, and the	<u> </u>		_
' ~	•	not assure me			
		analysis res			
in the	future. I	informed Ms.	Robertson	that we r	reeded to
	•	ntral radiation	_	•	
my management on how we would proceed. Ms. Robertson said					
she would		ur concern.		· .	
		,	٠		
ACTION REQUIRED	point of cordao	t for chemical	plant and	followup on	results
of 150topic	: analysis and	t for chemical disposition of	pipe.		
NAME OF PERSON DOC	UMENTING CONVERSATION	SIGNATURE	. • _	DATE	_
Kevin K	amsey, Imo	B Kuin	M Kan	rsuy 5	17/93
ACTION TAKEN				V	
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Fromi

Kevin M. Ramsey

To:

FCC, GCP

Monday, May 3, 1993 11:58 am

Subject: Radioactive Pipe Scale

I talked with John Pelchat, RII. He checked and there are no inspectors in West Virginia this week. In any case, they would prefer to wait and see what the lab results are.

I talked to Rebecca Robertson, ERM Midwest, again and apparently my first rabove estimate for the scale or the 23.5 microcurie activity analysis. They have located some laboratories that can do an isotopic analysis and they hope to have a sample shipped to a lab this week. Lab results may take a couple of weeks. Ms. Robertson did not want to give me the name and address of her client until she checked with the client. She promised to call me back this afternoon.

CC:

SWM, JMP2

100 5/7/93 - Rebecca Robertson, ERM Midwest - did not get clearance to provide name + address of clent

- they are not coordinating analysis or disposal. They were only
requested to provide information and recommendation of that
has been finished.

## ERM Midwest - contaminated p. pe (scrap metal)

5/3/93 - Called John Pelchat, RII back and asked 10:30am about having someone stop at the site. He checked with Chuck Hosey and no inspectors are in West Virginia this week. They would prefer to wait and see what the analysis results are.

Rebecea Robertson, ERM Midwest - 304-776-5414 (office)
304-341-5623 (pager)
John Pelchat, RII - 404-331-5083

P.S. - Pelchot said Eddie Frente, Mississippi State Program may have information on how they handled radioactive pipe scale in Mississippi. His number is (601) 354-6657. Could also talk to Robert Bell at (601) 354-6657.

5/3/93 -11:00am Rebecca Kobertson, ERM Midwest, returned my call. She said they had located some laboratories who could do an isotopic analysis and hoped to contract with one this week. Could take a couple of weeks to get the lab results. Her client has been instructed not to move the pipe. She is not very confident in the 6000 lb. estimate for the pipe scale and will try to confirm it. I asked for the name and address of her client in case we had an inspector in the area. She said she would have to check with the client before releasing the name. She will call me back this afternoon. Pipe is not from a gas well. It was part of a brine cooling system in a chemical plant.

CONVERSATION	RECORD	11:30 0	um 4/2	9/93	
TYPE	CONFERENCE	TELEPI		ROUTING	
		<b>.</b>	☐ INCOMING	NAME/SYMBOL	INT
Location of Visit/Conference:	304-776-543		OUTGOING	FCombs	
NAME OF PERSON(S) CONTACTED OR IN CONTA	CT ORGANIZATION (Office etc.)	e, dept., bureau,	relephone no: (304)	J Pelchat	RZ
Rebecca Robertson	ERM M	idwest 1	341-5623		RZ
SUBJECT			(pager)	D Collins	رك
DISPOSAL OF PIPE I	WITH RADIOAC	77VE		<u> </u>	
SCALE ON INTER	PIOR SURFACE	<del></del>	·		
SUMMARY  T RETURNED CALL	THAT MS. R	MBERTSON	ORIGINALI	4 MADE	-
				•	
TO JOHN PELCHAT	-, RII. Ms. 1	COBERTSON	IS A COT	VSULTANT	
FOR A CONTRACT	CLIENT IN	WEST VII	RGINIA 7	THAT HAD	<u> </u>
PIPE FROM A BRI	NE OPERATION (	NATURAL	CAS WELLS	REJEC	Ω≕λ
	•	-			<u></u>
BY A SCRAP YARD	BECAUSE OF K	ADIOACTIVI	74. ANAL	4515 OF	
PIPE SCALE WAS )	DONE LAST YE	AR AND	RESULTS 1	WERE	· ·
23.5 microcuries/	GRAM NATURA	H U/NATI	URAL THID	AUGHTERS	Σ.
•	•	•	•		
THEY ESTIMATE TH	AT THEY HAVE	APPROX	. 6000 LB	5. OF	
SCALE, BUT THEY	DON'T KNOW	THE SPE	CIFIC 150	TOPES,	
T TOLD MS. ROB	ERSSON THAT	SHE NEE	h = D 70 (	GET AN	
ISOTOPIC ANALYSIS					
DISPOSAL REQUIREN	nents of or	LICENSIN	G REQUIR	<u>Cements</u> ,	<u> </u>
	•				
23,5 MGr (454 gra	ms (6000 lbs) =	$= 6.4 \times 10^{6}$		6.4 cures	1.
Compan d	= ) (6000 100 ) =	- 6,7 X/U		f something	+
ACTION DECUMPED		<del></del>	\ \cdot\cdot\cdot\cdot\cdot\cdot\cdot\cdot	or something	<del>/</del>
ACTION REQUIRED	WHAT RADIOACTIVE	= MATERIA	- 74-11		
NEED TO DETERMINE AND VERIFY THAT			· ////		
NAME OF PERSON DOCUMENTING CONVERSATI		-	DATE	****	
KEVIN M. RAMSEY.	NMSS Verim	m Rams	ky 0	4/29/93	
ACTION TAKEN	, , , , , , , , , , , , , , , , , , , ,		1		<del></del>
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