Consumers Scrap Recycling, Inc.

ATTN: Maynard Blach

Radiation Safety Officer

7777 W. Chicago

Detroit, MI 48204-2846

Dear Mr. Blach:

This refers to the routine safety inspection conducted by Mark Mitchell of this office on September 22, 1995, of activities authorized by NRC Byproduct Material License No. 21-26499-01, and to the discussion of our findings with you at the conclusion of the inspection.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of a selective examination of procedures and representative records, observations, independent measurements, and interviews with personnel.

No violations of NRC requirements were identified during the course of this inspection.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter will be placed in the NRC Public Document Room.

We will gladly discuss any questions you have concerning this inspection.

Sincerely.

Original Signed by John D. Jones

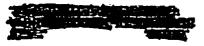
John A. Grobe, Chief 4 Nuclear Materials Inspection Section 2

License No. 21-26499-01 Docket No. 030-33182

bcc: PUBLIC

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OFFICIAL RECORD COPY

APPENDIX E

NOTE: All areas indicated in field notes are not required to be addressed during each inspection

$\begin{array}{c} \textbf{INDUSTRIAL/ACADEMIC/RESEARCH INSPECTION FIELD NOTES} \\ \textbf{Region} \underline{\mathcal{S}} \end{array}$

Inspection Report No. 95001	License No. 21-26499-01
Licensee (Name & Address): Consument SCRup Recycling Zin 7777 W. CHZEGO Deznoit, MI 48204-2846	Docket No. <u>030-33182</u>
Licensee Contact Maynara Bluch	Telephone No. 313/491-820
Last Amendment No. 01	Date of Amendment 9/10/93
Priority: Program Code 22-7	
Date of Last Inspection $\frac{\Omega/\Lambda}{2-22-95}$	
Type of Inspection: () Announced (∠) Routine () Initial	(X) Unannounced () Special () Reinspection
Next Inspection Date 2-02	(X) Normal () Reduced () Extended
Summary of Findings and Action: (() No violations cited, Clear *** is () Violation(s), 591 issued () Violation(s), Regional letter iss () Followup on Previous Violations	sued
Were non-cited violations identified during	this inspection? () Y (X) N
Was proprietary information reviewed by or inspector?	received by the () Y ($\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$
Inspector: Much Mutatell (Signature)	Date 3-7-95
Approved: (Signature)	c Date 3/08/95

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87100, Appendix E

INSPECTION H	<u>ISTORY</u>		() N/A - Init	tial inspection
two in B. Respon	ions were identif spections or two se letter(s) or 5 iolations from pr	years, whicheve 91(s) dated	r is longer	() Y () N — Status
Requirement	Violation	Corrective Act	ion Taken (Y/N)	
			·	
• • • • • • • • • • • • • • • • • • • •			<u>-</u>	***

<u> </u>				
D. Explai repeat	n any previous vi ed	olation(s) not	corrected or	() N/A
·		·		
<u>ORGANIZATION</u>	AND SCOPE OF PRO	<u>OGRAM</u>		
+ M B D MARY + Indi	zational Structur Mynamed Bla Oguslaw ZAE Pennioner The Mand Begons- viduals contacted viduals present a	ch is Rso Booklinski is machine 70 The Em I during inspect	no yand sy n yand re ipony prine ion	occursor and
3.	Meets license red Multiple authoriz laboratories If yes, may use ! location(s) or la numbers where vid Briefly describe types and quantif material, frequen	zed locations of ATTACHMENT A as ab(s) inspected plations are fou scope of activi ties of use invo	use and/or a guide for and note lab nd. ties, including	
1 -	Kevex XI	long flooresc	ence Broly	12er 2002
is not a since pe	rocking And	o this but	worked or o	een uslus
	ion Safety Commi			()Y(X)N
1. 2.	RSC fulfills lice Records maintain	ense requirement ed [L/C]	s [L/C]	() Y () N () Y () N
00, Appendix E		E-2	Issue D	ate: 01/01/95

	ι.	Radiation Safety Officer	
		 Authorized on license [L/C] Fulfills duties as RSO 	(½) Y () N (½) Y () N
	D.	Use by authorized individuals [L/C]	(/X) Y () N
Remari	ks:	NO USE TO DAte	
3.	TRAIN	ING, RETRAINING, AND INSTRUCTIONS TO WORKERS	
	A. B.	Instructions to workers/students per [10 CFR 19.12] Training program required [L/C]	(X) Y () N Y () N
`		1. If so, briefly describe training program:	•
		Monutaervens (Pison) Turning.	
		 Training program implemented Periodic training program required Periodic training program implemented Records maintained 	() Y () N () Y () N () Y () N
	C.	·	WY() N
		 Current operating procedures Emergency procedures Use of survey instrumentation 	() Y () N () Y () N () Y () N
	D.	Revised Part 20	
		Workers cognizant of requirements for:	
		 Radiation Safety Program [20.1101] Annual dose limits [20.1301, 1302] New forms 4 and 5 () N/A 10% monitoring threshold [20.1502] Dose limits to embryo/fetus and declared 	(†Y()N (†Y()N (†Y()N ()Y()N
		pregnant worker [20.1208] 6. Grave Danger Posting [20.1902] (N/A 7. Procedures for opening packages	() Y () N () Y () N () Y () N
NOTE:		Deficiencies in this area, while not always a violat brought to the attention of licensee management at the and in the cover letter transmitting the inspection recovers.	ion, should be ne exit meeting

Remarks:

	A. B.	Audits are required [L/C] Audits or inspections are conducted	(/) Y () N (aska) (X) N
	جے ع C. D.	(1) Audits conducted by CSO (2) Frequency Monthle Content of the radiation protection program reviewed annually by the licensee [20.1101(c)] Records maintained [20.2102]	The SOURCE SHEREDIC ON Even MOUTH MET ()]() Y() N USED. () Y() N
5.	FACIL	<u>ITIES</u>	
	A. B.	Facilities as described in license application [L/C] Describe any Self-contained dry-source-storage irradiators [Part 36] and/or survey instrument calibrators (model, radionuclide, activity, use, etc.)	
		 Maintenance of safety-related components performed by authorized persons [L/C] 	(M) Y () N
		 Access to keys and/or material controlled [20.1801, 1802, L/C] Access to high/very high radiation areas controlled [20.1601, 1602, L/C] Adequate protection of shield integrity, fire protection [L/C] 	() Y () N () Y () N () Y () N
Remar	rks: M	ontaly meter survey By 250.	· .
6.	MATER	RIALS	
	A. B. C.	Isotope, chemical form, quantity and use as authorized [L/C] Licensed materials secured to prevent unauthorized removal or access [20.1801, 1802] Leak tests and Inventories [L/C]	(YY()N (YY()N
		2. Adequate analysis methodology and	/A () Y () N /A () Y () N () Y () N
Rema	rks:	Sources in STONAGE in Me.	machine.
72 40	e M f	sornees in STONAGE in Me 1 policie Has not Been USED AS	it. Do of notwork
		endix E . E-4 Issue D	Date: 01/01/95

INTERNAL AUDITS, REVIEWS OR INSPECTIONS

7.	RADI	ATION S	<u>SURVEYS</u>	•
	A. ·	Instr	ruments and equipment:	
		1. 2. 3.	Appropriate operable survey instrumentation possessed and readily accessible [L/C] Calibrated as required [20.1501, L/C] Calibration records maintained [20.2103(a)]	(+) Y () N M/4 (-) Y () N N/4
	В.	Brief	fly describe area survey requirements [20.1501	(a), L/C]:
	l	NOT 1	required BUT Truy Have A Bick	on Miène Rme
				(a/A)
	C.	Perf	ormed as required [20.1501(a), L/C]	() Y () N
		1. 2.	Contamination found Corrective action taken and documented	() Y () N () Y () N
	D. E.	Recor Prote	rds maintained [20.2103, \/C] ection of members of the public	() Y () N
		 2. 3. 	Licensee made adequate surveys to demonstrate either (1) that the TEDE to the individual 1 to receive the highest dose does not exceed mrem in a year, or (2) that if an individual continuously present in an unrestricted area external dose would not exceed 2 mrem in any and 50 mrem in a year [20.1301(a)(1), 1302(b) Unrestricted area radiation levels do not exceed 2 mrem in any one hour [20.1301(a)(2)] Records maintained [20.2103, 2107]	ikely 100 were , the hour)] (/ Y () N
Rema	rks:	Mone	Procover surveyson file	
				·
8.	<u>radi</u>	OACTIVE	E_WASTE	(X) N/A
	Α.	Dispo	osal	() N/A
		ì.	Decay-in-storage	() N/A
			 a. Procedures approved [20.2001(a)(2), L/b. b. In accordance with [L/C] c. Labels removed or defaced [20.1904(b)] 	·() Y () N
		2. 3. 4.	Special procedures performed as required [L/Liquid scintillation (LS) media and animal carcasses per [20.2005] () Improper/unauthorized disposals [20.2001]	C] () Y () N N/A () Y () N
		ዣ. ፍ	Records maintained [20 21037a) 2108 1/Cl) / v / / N

7.

. Е	ffluent	s		(-)) N	/A	•
\	1.	Releas	se into sanitary sewer [20.2003] () N/A ()	Y	()	N	
\		a. b.	Material is readily soluble or readily dispersible [20.2003(a)(1)] () Monthly average release concentrations do not exceed Appendix B values [20.2003] ()		•		
		c.	No more than 5 Ci of H-3, 1 Ci of C-14 and 1 Ci of all other radionuclides combined released in a year [20.2003] () Procedures to ensure representative sampling and analysis properly implemented	Y	()	N	
			[20.1501(a)(2), L/C] ()	Y	()	N	
	2.	Relea	se to septic tanks [20.2003] () N/A ()	Y	()	N	
		a.	Within unrestricted limits [App B, Table 2]()	Y	()	N	
	3.	Waste	incinerated () N/A ()	Y	()	N	
		a. b. c.	License authorizes [20.2004(a)(3)] () Licensee directly monitors exhaust () Airborne releases evaluated and controlled [20.1501, 1701] ()		` '		
	4.	Contro	ol of effluents and ashes [20.1201, 1301, 2001, L/C] {See also IP 87102, RG 8.37} ()	Y	()	N	
		a.	Compliance with air emissions requirements in	Pa	rt	20:	
			Licensee has demonstrated compliance with air emission requirements in 10 CFR Part 20 ()		()	N	
			Basis for compliance determination (circle one or more; provide basis below)	9			
	. ·		(1) Measured concentrations of radior air effluents are below Appendix concentrations (and external dose < 50 mrem/yr)	uc B,	l id Ta	les i ab]e	2
			(2) Bounding calculations show that ai could not exceed Appendix B, Table concentrations (and external dose <	e 2			
			(3) Dose modeling shows that dose equation the individual likely to receive dose does not exceed 10 mrem/yr	uiv	ale	ent t	Ċ
			(4) Licensee does not possess radioactive material to exceed Part 20 requirements	su	ff [.]	icier	ıt
			Basis for Determination:	7			

		b.	Descrip	tion of effluent monitoring	program	I					
			2. E 3. A	onitoring system hardware eq dequate quipment calibrated as appro ir samples/sampling techniqu EPA, etc.) analyzed with app quipment	priate e (char ropriat	((Co	al	,			
Remarks:											
c.	Waste	Manage	ement	`	•			()	Ç	N/	Α
	1.		compact ge area(ed [L/C] s)		()) N/.	
·		a b. c.	Control Contain	ion from elements and fire [of waste maintained [20.180 ers properly labeled and are y posted [20.1902, 1904]	1] a	•	•		•)	
		d.		integrity maintained [L/C]		('	Ÿ	()	N
	3.		ging, Co 006(d)]:	ntrol and Tracking [App. F.I	11]			•			
		Note:	The lic	ensee's waste is likely to b	e Class	Α	•				
-		a. b.	fiberbo Liquid	kaged for disposal in cardbo ard boxes [61.56(a)] wastes solidified, i.e., les standing liquid, and void sp	s than	()	Y	()	N
		c. d.	minimiz Does no Structu	ed [61.56(a), (b)] t generate harmful vapors [6 rally stable (will maintain l dimensions and form under	1.56]	()).	Y	()	N N
		e. f.	expecte Package License complia	d disposal conditions) [61.5 s properly labeled [App. F.I e conducts a QC program to e nce with [61.55, 56] and inc	II.A.2] nsure	()	Y	(† ()	N N
·		g.	[App. F Shipmen	ent evaluation of audits .III.A.3] ts not acknowledged within 2 ransfer are investigated and		()	Y	()	N
				d [App. F.III.A.8]) N/A	()	Y	()	N
	4.	Trans	fers to	land disposal facilities				()	N/	Ά
		a. b.	to <u>rece</u>	rred to person specifically <u>ive waste</u> [30.41, 20.2001(b) ipment accompanied by a mani] \	b:))	Y	() .	N
		c.	prepare Appendi	d as specified in Section I x F [20.2006(b), App. F.III. ts certified as specified in	of A.4]	y	,	Y	()	N
				II of Appendix F [20.2006(c		()	y	()	N

	D.	Records of surveys and material accountability are maintained [20, 2103, 2108]	() Y () N
Remar	ks:		
9.	RECEI	PT AND TRANSFER OF RADIOACTIVE MATERIAL	٠.
	Α.	Describe how packages are received and by whom:	· () N/A
		From monuencrurer nel instra	led by
٠		Montreer Starie rep.	· '
	B. C. D. E. F. G.	Written package opening procedures established and followed [20.1906(e)] All incoming packages with DOT labels wiped, unless exempted (gases and special form) [20.1906(b)(1)] Incoming packages surveyed per [20.1906(b)(2)] Monitoring in (C) and (D) above, performed within time specified [20.1906(c)] Transfer(s) between licensees performed per [30.41] All sources surveyed before shipment and transfer [20.1501(a), 49 CFR 173.475(i), L/C] Records of surveys and receipt/transfer maintained	() Y () N A A
	I. J.	[20.2103(a), 30.51]	(
	Κ.	Package receipt/distribution activities evaluated	(
Remar	ks:		
10.	TRANS	PORTATION (10 CFR 71.5(a) and 49 CFR 170-189)	(X) N/A
	Α.	Licensee shipments are:	
		 () delivered to common carriers () transported in licensee's own private vehicle () both () no shipments since last inspection 	

	B. C.	HAZMAT Packag	[training [172.700-704] ges	()	Y (() N/	N 'A
		1.	Authorized packages used [173.415, 416(b)] Performance Test records on file	()	Y (() N/	N 'A
			a. Special Form Sources [173.476(a)]b. DOT-7A packages [173.415(a)]	()	Y	()	N N
	\	3.	COCs on file with NRC for Type B [71.12(c)(1)] Two labels (White-I, Yellow-II, Yellow-III) with TI, Nuclide, Activity, and Hazard Class	1					
			[172.403, 173.441]	•	Ĭ	Y	()	N.
		5.	Properly marked (Shipping Name, UN Number, Packa Type, RQ, "This End Up" (liquids), Name and Address of consignee) [172.301.306.310.312.324]			Y	()	N
		6.	Address of consignee) [172.301,306,310,312,324] Closed and sealed during transport [173.475(f)]	Ì	ý	Ÿ	Ì	ý	N
	D.	Shipp	ing Papers			()	N,	/A
		1.	Prepared and used [172.200(a)] Proper (Shipping name, Hazard Class, UN Number, Quantity, Package Type, Nuclide, RQ, Radioactive)	Y	()	N
			Material, Physical and chemical form, Activity, Category of label, TI, Shipper's Name, Certificand Signature, Emergency Response Phone Number,	ati	ior	1			•
		3.	"Limited Quantity" (if applicable), "Cargo Aircraft Only" (if applicable)} [172.200-204] Readily accessible during transport [177.718(e)])]()	Y	()	N N
	E.	Vehic [*]	les			()	N,	/A
		1. 2. 3.	Placarded [172.504] Cargo blocked and braced [177.842(d)] Proper overpacks (shipping name, UN Number, labeled, statement indicating that inner	()	Y	()	N N
			package complies with specification packaging) [173.25]	()	Y	()	Ņ
	F.	Any i	ncidents reported to DOT [171.15, 16]	()	Y	()	N
Remarl	ks:								
									•
111	<u>PERSOI</u>	NNEL_R	ADIATION PROTECTION						
•	A. B.	Licen	see performed exposure evaluation [20.1501] see incorporated ALARA considerations in the tion Protection Program [20.1101(b)]	•	•		•	•	N
				`	,	•	`	,	- •

С.	External Dosimet	try .			()	()	N/	A
	External e	nonitors workers [20.1502(a), L/C] exposures account for contributions orne activity [20.1203] ()	•	-		·	•	
	Supplier	Frequency						
	 Supplier i Dosimeters 	is NVLAP-approved [20.1501(c)] s exchanged at required frequency [[L/C]()	Y	()	N
D.	Internal Dosimet	try			()	4	N/	Ά
	2. Briefly de monitoring	nonitors workers [20.1502(b), L/C] escribe licensee's program for g and controlling internal exposure 1702, L/C]:)	Y	()	N
•	3. Air sampli	ing performed	()	Y	()	N
	4. Monitoring 5. Respirator	g/controlling program implemented ry protection equipment [20.1703,]) [2_)	Y	()	N N
Ε.	Reports			·	(x	<u>'</u>	N/	/A
	for period	reviewed personnel monitoring reco			,	`		
	receive do	e determined for individuals likely oses [20.2104] xposures TEDE Other DEsOrgans	/ to ()	Y	()	N
	6. Maximum CE 7. Licensee s 8. TEDEs and		- ()	Ý Y	()	Ń
	a. NRC- b. NRC-	-4 () Y () N Complete -5 () Y () N Complete)	Y Y	()	N N
	10. Worker dec inspection If yes, li and record	clared her pregnancy in writing du n period (review records) () icensee in compliance with [20.1208 ds maintained [20.2106(e)]	ring N/A (3] ()	Y	(()	N N N
F.		SEs at this facility (number of persectives) [20.1206, 2104, 2105		·J	()	N,	/A
G.	Records of exposevaluations main	sures, surveys, monitoring, and ntained [20.2102, 2103, 2106, L/C]	(`)	Y	()	N
Remarks:								
	No Boleses	- Reguired.						

87100, Appendix E

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	A.		st calibra					
	,	ledlern 3 45626	3/94		.,			••
	B. C.	Inspector's measurements were compared to lie Describe the type, location, and results of m	censee's neasuremen	() nts:	Y	()) ;	N
		All specs of packageoned.	•					
		•						
	•					•		
13.	NOTIF	ICATION AND REPORTS		X)	N/I	A		
	A.	Licensee in compliance with [19.13, 30.50] (to individuals, public and occupational, monit						
	n	to show compliance with Part 20)	() N/A	()	Y)	N
	.B.	Licensee in compliance with [20.2201, 30.50] (theft or loss)	() None	()	Y	(;)	N
	C.	Licensee in compliance with [20.2202, 30.50] (incidents)	() None	()	Y	())	N
	D.	Licensee in compliance with [20.2203, 30.50] (overexposures and high radiation levels)	() None r	()	Y	())	N
	Ε.	Licensee aware of NRC Ops Center phone number	r	()	Y	())	N
14.	<u>POSTI</u>	NG AND LABELING	•					
	A. B.	NRC-3 "Notice to Workers" is posted [19.11] Parts 19, 20, 21, Section 206 of Energy Reorg		`(\)	Y	())	N
	υ.	Act, procedures adopted pursuant to Part 21,	and lice					
		documents are posted or a notice indicating documents can be examined is posted [19.11,	21.6]	(X)	Y	()	N
	C.	Other posting and labeling per [20.1902, 1904 and the licensee is not exempted by [20.1903]		(X)	Y	()	N
Remar	ks:	•.			•			
15.	RECOR	DKEEPING FOR DECOMMISSIONING			(X	() 1	N/	Ά
	Α.	Records of information important to the safe	and					
		effective decommissioning of the facility ma in an independent and identifiable location	intained					
	В.	license termination [30.35(g)] Records include all information outlined in		()	Y	()	N N
Remar			[50.55(9)	· ·	•	•	,	**
Kelliar	K2:	•						

NRC INDEPENDENT MEASUREMENTS

12.

Issue Date: 01/01/95 E-11 87100, Appendix E

16	5.	BULLETINS	AND	INFORMATION	NOTICES
• •	•	DOLLLIII	MILL TO	THE OWNER TON	HULLOLD

- A. Bulletins, Information Notices, NMSS Newsletters, etc., received by the Licensee
- B. Licensee took appropriate action in response to Bulletins, Generic Letters, etc.

(X) A () N

Remarks:

no action Required.

17. SPECIAL LICENSE CONDITIONS OR ISSUES

(<u>/</u>) N/A

- A. Special license conditions or issues to be reviewed:
- B. Evaluation:
- 18. <u>CONTINUATION OF REPORT ITEMS</u>

(X) N/A

19. VIOLATIONS, NCVs, AND OTHER ISSUES

(X) N/A

Note: Briefly state (1) the requirement and (2) how and when the licensee violated the requirement. For non-cited violations, indicate why the violation was not cited.

20. DEBRIEF WITH LICENSING STAFF

Inspection findings discussed with licensing staff ((X) N/A () Y () N Items discussed:

21. EPA REFERRAL FORM

EPA referral form for air effluents sent to appropriate EPA regional office per IP 87102

() () () () ()

Started Sources only

22. PERFORMANCE EVALUATION FACTORS

	ensee (name & location) MSUMEM SCREET.	Inspection Date 02-22-95		
	ment mi			
A.	Lack of senior management involve safety program and/or Radiation S oversight		(RSO)	
В.	RSO too busy with other assignmen	ts	() Y (4) N () Y (4) N	
B. C. D.	Insufficient staffing		() Y (4) N	
	Radiation Safety Committee fails to meet or functions inadequately $()$ N/A $($ $)$ Y $($ $)$ N Inadequate consulting services or inadequate audits $()$ N/A $($ $)$ Y $($ $)$ N			
Ε.	Inadequate consulting services or	inadequate au	idits (-) N/A () Y () N	
Rema	arks (consider above assessment and/	or other perti	nent PEFs):	
Reai	ional follow-up on above PFFs citati	ons:		

END

United States Nuclear Regulatory Commission Region III

MATTER TO BE REVIEWED DURING INSPECTION

Licensee Cinsumon Nons	up forgling
	License No. <u>21-26499-</u> 01
Type of Matter to be Looked Into: likewitherized RSU Chi	ange
august 26, 1993. 9 in	So without Dubinitting St. Die letter dated formed licensee that I violation. Sie conversation 31, 1993. Licensee will liquest via overrite Mail. Thief, was informed of such
Viôlation on 8/31/93. 2/22/95. Inspector corriendheimen Roo To ASSUMETHAT All lieure consisons wer	Originator Scale Date
user. He conted before is so persied. He was not in non compliance	Reviewer Date
	Investigator Date

DO NOT REMOVE UNTIL INCIDENT CARD COMPLETED BY INVESTIGATOR. THIS WILL BE FILED ON TOP OF INSPECTION FINDINGS (417.591 or 592)