

Gary L. Tessitore
Chairman, President and
Chief Executive Officer



June 25, 2002

Mr. Larry Camper
Chief, Decommissioning Branch
Division of Waste Management
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Re: Decommissioning Cost Estimate
Docket No. 40-7580
License SMB-911
TAC No. L31592
Fansteel Inc., Muskogee, Oklahoma

Dear Mr. Camper:

In accordance with License Condition 21, as revised by Amendment 9 to License SMB-911, this submittal presents Fansteel Corporation's ("Fansteel" or "Company") decommissioning cost estimate for its Muskogee site. This letter also responds to your April 8, 2002 letter which requested responses to certain issues discussed therein. Your letter stated that Fansteel's response could be included in this submittal.

As background, in conjunction with Earth Sciences Consultants, Inc, Fansteel's environmental consultant, the Company has begun the work necessary for the submission to the U.S. Nuclear Regulatory Commission ("NRC" or "Commission") during the fall of 2002 of a proposed Decommissioning Plan ("DP") and is examining a number of modified approaches to optimize the decommissioning of the Muskogee site. The proposed DP will include a revised cost estimate for decommissioning based on the revised plan. As the Company is still in the early stages of development of this plan, no updated decommissioning cost estimates associated with such modified approaches are currently available. Consequently, for purposes of fulfilling License Condition 21, Fansteel is utilizing an estimate of \$57 million for the total cost for remediating the Muskogee site which is consistent with previous public disclosures by Fansteel. This filing represents cost estimates prepared by the Company prior to its Chapter 11 bankruptcy filing and was utilized in preparation of its March 21, 2002 financial filing with the United States District Court for the District of Delaware ("District Court") which was served on the NRC.

The decommissioning cost estimate supersedes previously submitted estimates. The costs were estimated using methodology and assumptions not comparable to previous estimates

and, as a result, the estimates cannot be compared directly, *e.g.*, the new estimate assumes offsite disposal of contaminated soils versus use of an onsite containment cell. The new estimate includes costs for offsite disposal of the contents of the WIP and CAF ponds, a different system and assumptions for groundwater treatment, and assumes the use of an outside contractor and personnel for decommissioning. As part of the preparation of the DP, the estimate contained herein will be further refined. A number of the entries are believed to be conservatively estimated, but have not been reduced to more realistic values to maintain consistency with the filings in the bankruptcy court.

As I have stressed previously to the NRC, Fansteel continues to fulfill its responsibilities as a licensee at the Muskogee site, expending the necessary funds and taking all actions necessary to assure the ongoing maintenance of public health and safety. With regard to the totality of the claim for decommissioning the site, consistent with my affidavit in support of the First Day Motions which were filed with the District Court on January 15, 2002, and the Company's Schedule S and Statement of Affairs filed with the District Court on March 21, 2002, the Company has no ability, under the provisions of the U.S. Bankruptcy Code, to provide additional financial assurance at this time. Further, notwithstanding the debtor-in-possession financing facility recently approved by the District Court, the Company has no present financial ability to provide additional financial assurance in the manner contemplated by the Commission's regulations. Fansteel understands that under the Commission's regulations, namely 10 C.F.R. § 40.36(d), that financial assurance for decommissioning is required by one or more of the methods enumerated in subsection (e); however, as set forth above and as previously discussed with you, Fansteel is not currently in a position to provide the financial assurance required by the applicable regulation.

Your letter of April 8 set forth the view that in such circumstances the Company must submit "a request for an exemption from Section 40.36 pursuant to 10 CFR 40.14." Given the status of the bankruptcy proceeding, we are not presently in a position to be able to inform you of the extent of additional financial assurance which we may be able to provide, but believe that by December, 2002, we will be in a better position to address this matter. As you may know, as part of the District Court's approval of the debtor-in-possession financing facility, the Official Creditors' Committee requested that, as soon as possible, the Company (subject to District Court approval) retain an independent turnaround consultant to assist the Company in the development of a business plan to (a) maximize the value of the assets of the Company and its affiliated debtors, and (b) provide the foundation for the development of a plan of reorganization which will propose the treatment of all claims (including, without limitation, those of the NRC related to the proposed DP) and equity interests in the Company and its affiliated debtors.

For the foregoing reasons, we ask that you postpone consideration of the financial assurance in accordance with 10 C.F.R. § 40.36 until December 20, 2002. If it is your view, as articulated in your April 8, 2002 letter, that given the foregoing facts, relief in the form of an exemption would be required to accommodate our suggested schedule, you may consider this

letter to constitute such a request in that it demonstrates that such relief is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest.

With regard to the first and second bullets in the April 8, 2002 letter, the Company is aware that its license expires on September 30, 2002, and a renewal application would have to be filed not less than 30 days before the expiration date, *i.e.*, prior to August 31, 2002, for the license to stay in force during the NRC's review of the application in accordance with 10 C.F.R. § 40.42(a)(1). Because the Company continues to examine business prospects for the Muskogee site, Fansteel has not decided to permanently cease principal activities. *See* 10 C.F.R. § 40.42(d)(2). Rather, the Company intends to seek timely renewal of its license.

The third bullet regarding meeting NRC financial assurance requirements has been addressed above.

As we have stated in several meetings with representatives of the NRC and the Department of Justice, it is the desire of Fansteel to reach a consensual resolution regarding an appropriate revised DP and a decommissioning funding plan that will be satisfactory to both the NRC and to Fansteel and its other unsecured creditors in order for Fansteel to successfully emerge from Chapter 11 proceedings.

Sincerely,



Gary L. Tessitore

cc: James C. Shepherd, U.S. Nuclear Regulatory Commission
Maria E. Schwartz, Esq., U.S. Nuclear Regulatory Commission
Alan Tenenbaum, Esq., U.S. Department of Justice
Richard Gladstein, Esq., U.S. Department of Justice
Brooke D. Poole, Winston & Strawn
Jeffrey S. Sabin, Schulte Roth & Zabel
R. Michael McEntee, Fansteel Inc.
A. Fred Dohmann, Fansteel Inc.
E. Jonathan Jackson, Fansteel Inc.

Chronological Line Item Cost Sheet for Muskogee Decommissioning Costs (June 12, 2002)		
Item	Activity	Cost
Site Maintenance Activities	Site maintenance costs in preparation for decommissioning	\$2,700,000
Site Plans & Management	Facility oversight through facility closure in about 10 years	\$2,935,000
	Prepare decommissioning plans and reports	\$507,000
	NRC review of decommissioning plans and reports	\$292,000
	NRC oversight through facility closure in about 10 years	\$1,743,000
	Health Physics support through facility closure in about 10 years	\$2,029,000
	Miscellaneous costs, legal & other consulting services over the next 30-years	\$2,700,000
	Sub Total: \$10,206,000	
Building Demolition	Demolition of Thermite Bldg., Sodium Reduction bldg., and Chem C bldg.	\$666,000
Excavation of Contaminated Areas	Ponds 2&3 Residues (WIP) – Excavation, on-site hauling, and drying	\$1,235,000
	Ponds 5,6,7,8, & 9 Residues (CAF) – Excavation, on-site hauling, and drying	\$7,931,000
	Radiologically contaminated soils – Excavation & on-site hauling	\$333,000
Sub Total: \$9,499,000		
Transport for Disposal	Demolition debris (1,786 tons) to WCS at a rate of \$53.75/ton	\$96,000
	Ponds 2&3 Residues (WIP, 13,038 dry tons) to IUC at a rate of \$125/ton	\$2,037,000
	Ponds 5,6,7,8, & 9 Residues (CAF, 54,163 dry tons) to WCS at a rate of 53.75/ton	\$3,639,000
	Radiologically contaminated soils (25,500 tons) to WCS at a rate of 53.75/ton	\$1,371,000
Sub Total: \$7,143,000		
Disposal	Demolition debris (1,786 tons) at WCS at a rate of \$72.50/ton	\$130,000
	Ponds 2&3 Residues (WIP, 13,038 dry tons) at IUC at a rate of \$120/ton	\$1,956,000
	Ponds 5,6,7,8, & 9 Residues (CAF, 54,163 dry tons) at WCS at a rate of 72.50/ton	\$4,909,000
	Radiologically contaminated soils (25,500 tons) at WCS at a rate of 83.50/ton	\$2,129,000
Sub Total: \$9,124,000		
Final Radiation Survey	Survey activities	\$830,000
Restoring Excavated Areas	Backfill	\$1,876,000
Groundwater Treatment	Groundwater treatment for 20 years after decommissioning activities completed	\$14,000,000
	NRC oversight of groundwater treatment	\$872,000
Sub Total: \$14,872,000		
Total Decommissioning Fund Cost Estimate – Year 2002		\$56,916,000

APPENDIX F
COST ESTIMATING TABLES

1. Planning and Preparation

Table 1

<u>Task</u>	<u>Professional</u>	<u>Work Days</u>	<u>HOURS</u>	<u>Clerical</u>	<u>Total</u>	<u>Total Cost</u>
1. Preparation of (1)** Documentation for Regulatory Agencies	Professional (Manager, Senior Eng/ Scientist) 410	Consultant Technical (Engineer/ Scientist)	Administr. (Drafting/ Clerical)	NRC STAFF 273	1,071	\$115,000
2. Submittal of (2) Decommissioning Plan to NRC when required by 10 CFR 30.36(c)(2), 40.42(c)(2), or 70.38(c)(2)*	260	350	100	260	970	\$99,000
3. Development of (3) Work Plans	864	1,100	390	800	3,154	\$337,000
4. Procuring of Special Equip- ment	<u>Equipment-related costs are included in Tables 3 & 8</u>					0
5. Staff Training	<u>Staff training costs are included in Tables 3 & 8</u>					0
6. Characterization of Radiological Condition of the Facility (Including soil and tailings analysis or ground- water analysis, if applicable)	<u>Characterization costs are included in Tables 3, 9, & 10</u>					0
7. Other - Site maintenance costs in preparation for decommissioning ⁽⁴⁾						\$2,700,000
- Contingency for misc. costs, legal, and other consultants over next 30 yr ⁽⁵⁾						\$2,700,000
8. Total						<u>\$5,951,000</u>

* For assistance in preparation of cost estimate for 10 CFR Part 72, consult NRC Office of Nuclear Material Safety and Safeguards.

** Footnotes in Attachment 1 contain additional detail.

APPENDIX F (Continued)
COST ESTIMATING TABLES

Table 2 (1)

Position	Unit Cost for Workers		Worker Cost/year
	Basic Salaries (\$/yr)	Overhead Rate (%)	
Supervisor	**** SEE ATTACHMENT 1 FOR WORKER UNIT COST TABLE ****		****
Foreman	_____	_____	_____
Craftsman	_____	_____	_____
Technician	_____	_____	_____
Health Physicist	_____	_____	_____
Laborer	_____	_____	_____
Clerical	_____	_____	_____
Other	_____	_____	_____

2. Decontamination and/or Dismantling of Radioactive Facility Components*

Note: To be packaged and disposed of at a low-level waste site.

	No.	Dimensions		No.	Dimensions
Glove Boxes	N/A	(m ³)	Amount of Floor Space	_____	14,000 (m ²)
Fume Hood	4	(m ³)	Ventilation Ductwork	_____	100 (m)
Hot Cells	N/A	(m ³)	Amount of Wall Space	_____	33,000 (m ²)
Lab Benches	4	(m)	Other	_____	_____
Sink and Drain	4	(m)			

- Ponds 2 & 3 residue excavation 13,038 dry tons
- Ponds 5,6,7,8&9 residue excavation 54,163 dry tons
- Radiological-affected soil excav. 25,500 tons

Table 3

Work Days

Task	Super-visor	Fore-man	Tech-nicians	H.P.	Crafts-men	La-borer	Total	Total Cost
1. Decon/Dismantle Major Components and/or Processing and Storage Tanks	_____	_____	_____	_____	_____	_____	_____	0
2. Decon/Dismantle Laboratories, Fume Hoods, Glove Boxes, Benches, etc.	_____	_____	_____	_____	_____	_____	_____	0

Note: These costs are included in facilities demolition described below.

Note: These costs are included in facilities demolition described below.

*Indicate whether component is to be decontaminated to unrestricted release levels or packaged and disposed of at a low-level waste site.

APPENDIX F (Continued)
COST ESTIMATING TABLES

Table 3 (continued)

Task	Work Days		HOURS		Total	Total Cost
	Supervision	Facility Manager	Technician	Other		
3. Decon/Dis- mantle Waste Areas		Consultant	Facility Engineer			0
- Radwaste Areas						
- Scrap Recovery Areas						
- Other						
4. Decon/Dis- (1) mantle Service Facilities	874		874	724		\$1,104,000
- Maintenance Shop		Demolition of Thermite, Sodium Reduction, and Chem C Buildings				
- Decontamination Areas		Includes demolition costs for:				
- Ventilation Systems						- Facility oversight - \$275,000
- Other						- NRC oversight - \$163,000
						- Building demolition activities - \$666,000
5. Decon/Dis- (2) mantle Waste Treatment Facilities and Storage Areas on the Site (Including exhumed and package contaminated soil and tail- ings, if any)	8,445		8,445	7,022		\$13,739,000
- Fluoride Lagoons		Removal of Ponds 2,3,5,6,7,8&9 residues and rad-affected soils				
- Nitrate Lagoons		Includes removal costs for:				
- CaF2 Waste Recovery						- Facility oversight - \$2,660,000
- Ground Water Restoration						- NRC oversight - \$1,580,000
- Other						- Excav. & onsite loading, hauling & drying - \$9,499,000

APPENDIX F (Continued)
COST ESTIMATING TABLES

Table 3 (continued)

Task	Work Days HOURS						Total Cost
	Super-visor	Fore-man	Tech-nicians	H.P.	Crafts-men	La-borer	
6. Monitor for compliance, reclean and remonitor, if necessary				20,800		20,800	\$2,029,000
7. Other (e.g., contractor fees)							

HP assistance during building demolition, removal of sediments from ponds, and during removal of radiologically-affected soils.

Table 4 - Already included in Table 3 costs

Equipment/Supply	Quantity	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. Packaging, Shipping, and Disposal of Radioactive Wastes

Table 5

Waste Type	TONS ⁽¹⁾	No. of Containers	Type of Containers	Unit Cost of Container	Cost of Container
Ponds 2&3 residue	13,038	163	Gondola - 100 ton capacity	-	Cost included in Freight cost below
Pond 5,6,7,8,9 residue	54,163	621	Gondola - 109 ton capacity	-	Cost included in Freight cost below
Rad-affected soils	25,500	234	Gondola - 109 ton capacity	-	Cost included in Freight cost below
Building demolition	1,786	17	Gondola - 109 ton capacity	-	Cost included in Freight cost below
Total	94,487	1,035			

Table 6 (2)

Waste Type	No. of Shipments	Unit Cost for Shipping	Distance Shipped	Surcharge	Transportation Cost
Ponds 2 & 3 residue	163	\$125/ton	To IUC - Utah	-----	\$2,037,000
Pond 5,6,7,8,9 residue	621	\$53.75/ton	To WCS - Texas	-----	\$3,639,000
Rad-affected soils	234	\$53.75/ton	To WCS - Texas	-----	\$1,371,000
Building demolition	17	\$53.75/ton	To WCS - Texas	-----	\$96,000
Total	1,035				\$7,143,000

Distance Shipped _____ (miles)
Unit cost for shipment _____ (\$/mile/truckload)
Additional charges _____
Overweight _____ (\$/mile)
Surcharges _____ (\$/mile)

APPENDIX F (Continued)
COST ESTIMATING TABLES

Table 7 (1)

Waste Type	TONS(2) Burial Volume	Unit Cost of Burial	Surcharge	Burial Cost	Included in	
					disposal unit cost below	(\$/m ³) (\$) (\$/m ³)
Pond 2 & 3 residue	13,038	\$120/ton	-----	\$1,956,000		
Pond 5,6,7,8&9 residue	54,163	\$72.50/ton	-----	\$4,909,000		
Rad-affected soils	25,500	\$83.50/ton	-----	\$2,129,000		
Building demolition	1,786	\$72.50/ton	-----	\$130,000		
Total	94,487			\$9,124,000		

4. Restoration of Contaminated Areas on Facility Ground

Table 8

Task	Supervisor	Work Days			Total	Total Cost
		Foreman	H.P.	Clerical		
Backfill and Restore Site (3) Ponds 2,3,5,6,7,8&9 and radiologically-affected soil areas						\$1,876,000

5. Final Radiation Survey

Table 9

Task	Supervisor	Work Days HOURS			Total	Total Cost
		Professional	HP/Technical	Admin.		
Survey activities (4)	Professional	6,707			6,707	\$830,000
Survey Completion Reports and NRC Review (5)	660	860	364	613	2,497	\$248,000
Total	660	7,567	364	613	9,204	\$1,078,000

APPENDIX F (Continued)
COST ESTIMATING TABLES

6. Site Stabilization, Long-Term Surveillance (if applicable)

Table 10

<u>Task</u>	<u>Supervisor</u>	<u>Work Days</u> HOURS			<u>Total</u>	<u>Total Cost</u>
		<u>Foreman</u> Technician	<u>Helper</u> Laborer	<u>Clerical</u> NRC Staff		
Groundwater treatment for 20 yrs after decommissioning activities are completed (1)		8,640	21,120		29,760	\$14,000,000
NRC oversight during groundwater treatment for 20 yrs after decommissioning activities are completed (2)				3,876	3,876	\$872,000
TOTAL For Table 10:					33,636	\$14,872,000

GRAND TOTAL OF ALL COSTS IN APPENDIX F: \$56,916,000

Attachment 1
Footnotes to Cost Estimating Tables
Decommissioning Funding Plan
Fansteel Inc. - Muskogee, Oklahoma
June 12, 2002

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- (1) Documents to be prepared include Decommissioning Funding Plan and RESRAD analysis. Labor hours for preparation of plans includes a total of 100 hours for Consultant – Principal, 310 hours for Consultant - Project Manager/Senior Scientist/Senior Engineer, 260 hours for Consultant - Scientist/Engineer, 80 hours for Consultant - Draftsman/Technical, and 48 hours for Consultant - Administrative.
- (2) Preparation of Decommissioning plan includes a total of 60 hours for Consultant – Principal, 200 hours for Consultant - Project Manager/Senior Scientist or Senior Engineer, 350 hours for Consultant - Scientist/Engineer, 60 hours for Consultant - Draftsman/Technical, and 40 hours for Consultant - Administrative.
- (3) Documents to be prepared include Soil/Residues Remedial Work Plan, Health and Safety Plan, Structural Remedial Work Plan, and Site Survey Plan. Labor hours for preparation of plans include a total of 224 hours for Consultant – Principal, 640 hours for Consultant - Project Manager/Senior Scientist/Senior Engineer, 1,100 hours for Consultant - Scientist/Engineer, 230 hours for Consultant - Draftsman/Technical, and 160 hours for Consultant - Administrative.
- (4) Assumes half of the remaining maintenance cost in preparation for decommissioning is for labor.
- (5) Miscellaneous expenses include insurance costs such as general liability (currently about \$40,000 per year), remediation liability coverage (could be about \$30,000 per year during heavy construction activities), worker's compensation insurance (about \$7,500 per year), and auto insurance (about \$2,000 per year).

Attachment 1
Footnotes to Cost Estimating Tables (Continued)
Decommissioning Funding Plan
Fansteel Inc. - Muskogee, Oklahoma
June 12, 2002

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- (1) Unit Cost for Workers Payable by Fansteel (Cost per hour including overhead*):

Position	Total Worker Cost per Hour	Position	Total Worker Cost per Hour
NRC personnel	\$150/hour	Project Manager/Senior Scientist or Engineer – Consultant	\$120/hour
Foreman	\$50.00/hour	Scientist/Engineer/HP - Consultant	\$65.00/hour
Technician	\$40.00	Draftsman/Technical - Consultant	\$45.00/hour
Health Physicist	\$65.00/hour	Administrative - Consultant	\$40.00/hour
Laborer	\$25.00 to \$36.00/hour	Facility Manager - Consultant	\$120.00/hour
Truck Driver	\$40.00/hour	Facility Engineer - Consultant	\$90.00/hour
Equipment Operator	\$46.00/hour	Legal Consultant	\$312.50/hour
Master Mechanic	\$49.00/hour	Average facility operating personnel	\$43.27/hour
Principal – Consultant	\$150.00/hour		
* In Table 3.4, Table 3.5, and Table 3.6; a multiplier of 1.5 was utilized to account for travel, per diem, and other associated expenses at the job site.			

- (2) The estimated 25,500 tons of radiologically-affected soils to be excavated is taken from previously submitted decommissioning cost estimates.

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- (1) Building demolition costs were developed using unit costs (e.g., building linear feet and volumes) from RSMeans 2000 Heavy Construction Cost Data and engineering/construction experiences for equipment efficiencies, etc. This engineering calculation does not use labor hours, and therefore, total labor hours for these activities are not provided. The cost for facility oversight [i.e., by Facility Manager (Consultant), Facility Engineer (Consultant), and NRC Staff] includes a 1.5 labor rate multiplier for additional travel, per diem, and other related expenses.
- (2) Excavation and onsite loading, hauling and drying costs were developed using unit costs (e.g., volumes of residues and soils) from RSMeans 2000 Heavy Construction Cost Data and engineering/construction experiences for equipment efficiencies, etc. This engineering calculation does not use labor hours, and therefore, total labor hours for these activities are not provided. The cost for facility oversight [by Facility Manager (Consultant), Facility Engineer (Consultant), and NRC Staff] includes a 1.5 labor rate multiplier for additional travel, per diem, and other related expenses.

Attachment 1
Footnotes to Cost Estimating Tables (Continued)
Decommissioning Funding Plan
Fansteel Inc. - Muskogee, Oklahoma
June 12, 2002

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- (1) The tons of Pond 2/3 residue (13,038) and tons of Pond 5,6,7,8,&9 residue presented in the table are "dry tons." The pond residues will actually only be dried to a 20 percent moisture content (by weight) before transporting for off-site disposal. Their actual "wet" weights will be 16,298 tons and 67,703 tons, respectively.
- (2) The transportation costs and disposal locations are stated for estimating purposes only; no binding agreements with vendors exist.

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- (1) The disposal locations and costs are stated for estimating purposes only; no binding agreements with vendors exist.
- (2) The tons of Pond 2/3 residue (13,038) and tons of Pond 5,6,7,8,&9 residue presented in the table are "dry tons." The pond residues will actually only be dried to a 20 percent moisture content (by weight) before transporting for off-site disposal. Their actual "wet" weights will be 16,298 tons and 67,703 tons, respectively.
- (3) Backfilling costs were developed using unit costs (e.g., volumes of backfill) using RSMeans 2000 Heavy Construction Cost Data and engineering/construction experiences for equipment efficiencies, etc. This engineering calculation does not use labor hours, and therefore, total labor hours for this activity are not provided.
- (4) Survey activities assumes a total of 7,560 survey and resurvey points. In addition, the survey activity costs include \$394,000 for additional removal of residue at failed survey points.
- (5) Documents to be prepared include Soil/Residues Completion Report, Structural Completion Report, Site Survey completion Report, and Decommissioning Report. Labor hours for the preparation of these documents include a of 180 hours for Consultant – Principal, 480 hours for Consultant Project Manager/Senior Scientist/Senior Engineer, 860 hours for Consultant - Scientist/Engineer, 80 hours for Consultant - Draftsman/Technical, and 48 hours for Consultant - Administrative.

Attachment 1
Footnotes to Cost Estimating Tables (Continued)
Decommissioning Funding Plan
Fansteel Inc. - Muskogee, Oklahoma
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- (1) Groundwater treatment costs were calculated utilizing different assumptions from those used in previous decommissioning cost estimates. In the last two submittals, groundwater treatment costs were split between Tables 3 (Entry 6), Table 5, Table 6, and Table 7 (sludge entries). The groundwater treatment costs presented here assume an average of 8.2 gallons of groundwater per minute from the French drain is treated by the evaporator system for 20 years. The evaporator system is natural gas-fired (\$6.40 per thousand cubic feet) and 2 percent of the residual liquid from the evaporators requires offsite disposal (disposal cost estimate was \$2.40 per pound of residual evaporator liquid). This estimate also includes annual laboratory costs of \$6,000.

- (2) The cost for NRC Staff oversight includes a 1.5 labor rate multiplier for additional travel, per diem, and other related expenses.

Attachment 2
Footnotes to Cost Estimating Tables
Decommissioning Funding Plan
Fansteel Inc.
Muskogee, Oklahoma
June 12, 2002

Section	Item	Table No	Cost
1	Planning and Preparation	1	\$5,951,000
	Worker Rate Schedule	2	N/A
2	Decontamination and/or Dismantling of Radioactive Facility Components	3	\$16,872,000
	Equipment Costs	4	\$0*
3	Packaging, Shipping, and Disposal of Radioactive Wastes – Container Cost	5	\$0**
	Freight	6	\$7,143,000
	Disposal	7	\$9,124,000
4	Restoration of Contaminated Areas on Facility Grounds	8	\$1,876,000
5	Final Radiation Survey	9	\$1,078,000
6	Site Stabilization & Long-Term Surveillance (including groundwater treatment)	10	\$14,872,000
TOTAL DECOMMISSIONING ESTIMATED COST - 2002			\$56,916,000
Notes:			
* Equipment costs are included in decontamination/dismantling cost provided in Tables 3 & 8.			
** Container costs are included in Freight costs provided in Table 6.			