

Barling No. 5113

PLAINTIFF'S
EXHIBIT

RMC-17

NORTHWEST ENVIROCON, INC.
MONTHLY MANAGEMENT REPORT
for
REYNOLDS METALS COMPANY
SHERWIN ALUMINA PLANT
CORPUS CHRISTI, TEXAS

APRIL 1990

004241

REYNOLDS METALS COMPANY
SHERWIN ALUMINA PLANT
CORPUS CHRISTI, TEXAS

MONTHLY MANAGEMENT REPORT

Table of Contents:

<i>Section:</i>	<i>Description:</i>	<i>Page #:</i>
1	Monthly Management Report Summary of Work	1-1
2	Letter from Dennis Hudson, NWE Corporate office to Frank Strickland, RMC Sherwin Plant dated March 7, 1990.	2-4
3	Meeting minutes from a Project Committee. Meeting held on April 2, 1990.	3-8
4	Letter from Clare R. (Randy) Hall, NWE President to Jack Barbee, RMC Sherwin Plant dated April 5, 1990.	4-10
5	Intracompany correspondence from Jack Barbee, RMC Sherwin plant to Frank Strickland, RMC Sherwin Plant.	5-12
6	Reynolds Metals Company Sherwin Plant work specification.	6-16

004242

MONTHLY PROJECT REPORT

HEPA AIR FILTRATION CONSOLES RESULTS AND RECOMMENDATIONS:

DATE	SAMPLE #	CONSOLE #	F/CC
4/2/90	22-NAE4	2173	.156
4/25/90	144-NAE6	2170	.09
4/26/90	157-NAE8	2170	.02
4/28/90	174-NAE5	2170	.06
5/2/90	195-NAE7	2170	.90
5/2/90	203-NAE15	2168	.40
5/8/90	232-NAE7	2169	.0169
5/19/90	283-NAE11	2168	.04
6/8/90	372-NAE4	2170	.015
6/6/90	346-NAE9	2169	.0178
6/15/90	NAE7	2173	.2
6/17/90	NAE3	1	.02 *PRE ABATEMENT

RECOMMENDATION:

+ PERFORM TRANSMISSION ELECTRON MICROSCOPY
(AT CONTRACTORS EXPENCE) - IF THIS OPTION IS
SELECTED SAMPLING SHOULD BE PERFORMED WHILE MACHINE
IS IN OPERATION DURING REMOVAL. REASONING FOR THIS
IS PRE ABATMENT SAMPLES HAVE RETURNED WITH A LOW
FIBER DENSITY , PROBLEMS HAVE NOT OCCURED UNTIL
REMOVAL HAS STARTED. (POSSIBILITY OF BLOW BY OF
H.E.P.A. FILTER)

HEPA AIR FILTRATION CONSOLES TO BE TAKEN OFF LINE AND
REMOVED FROM SITE IF PROBLEM CAN NOT BE RESOLVED IN THE
VERY IMMEDIATE FUTURE.

*PERMISSABLE EXPOSURE LEVEL ACCORDING TO FEDERAL LAW IS .2
SPECIFICATIONS DETECTION LEVEL IS .01.

JOEL SHERIDAN

SC 004243

NORTHWEST ENVIROCON, INC.

16811 El Camino Real, Suite 119
Houston, TX 77058
(713) 488-8688
FAX (713) 488-8787



Project Managers
Certified Industrial Hygienists
Environmental Consultants
Training Programs

NORTHWEST ENVIROCON, INC. MONTHLY PROJECT REPORT TO PLANT MANAGER

DATE: May 1, 1990

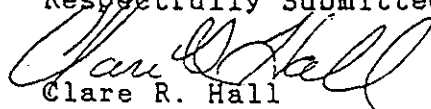
PROJECT: Reynolds Metals Company
Sherwin Alumina
Corpus Christi, Texas

SUMMARY: The purpose of this report as understood by Northwest Envirocon, Inc. (NWE) is to communicate, in brief any relevant events or significant problems encountered in assisting Reynolds Metals Company's (RMCs) Sherwin Alumina plant located in Corpus Christi, Texas in the removal of asbestos in the facility.

Included in this report will be copies of written communication exchanged between RMC, NWE, regulating agencies and abatement contractors. Also included is minutes from meetings with the engineering and environmental department, and any other relevant data.

This report will remain a brief three (3) pages for convenience. Referenced documents will be published in bound form with numbered pages. If the format or contents require modification please advise.

Respectfully Submitted,


Clare R. Hall
President

004244

Portland/Vancouver

(206) 835-8576

Eugene

(503) 485-3780

Seattle

(206) 251-6033

Spokane

(509) 337-6403

MONTHLY MANAGEMENT REPORT
PREPARED BY NWE CONSULTANT: BRIAN THOMPSON, P.M.
REVIEWED AND EDITED BY
CLARE R. (RANDY) HALL, PRESIDENT (NWE)

MAY 1, 1990

The following report will be inclusive of our activity dates of beginning with the March 22, 1990 startup date through April 30, 1990.

Removal Activities:

- Clean up of the digester area has been started. This part of the plant is a high priority area due to the condition of the asbestos.
- Various routine maintenance projects have been completed throughout the plant removing asbestos to facilitate maintenance and or repairs.

Contractor:

- Industrial Specialists, Inc. is the abatement contractor in the plant at this time. Their performance to date has been good. Problems encountered have been promptly and efficiently corrected.

Coordination:

- A collective decision was made to initiate weekly meetings with the RMC Environmental and Engineering Departments and the Contractor to facilitate and promote collective understanding of the projects underway and any upcoming projects. These meetings will formally start with the startup of the "capital projects."

004245

MONTHLY MANAGEMENT REPORT (cont.)
PREPARED BY NWE CONSULTANT: BRIAN THOMPSON, P.M.
REVIEWED AND EDITED BY
CLARE R. (RANDY) HALL, PRESIDENT (NWE)

MAY 1, 1990

Specifications:

We regret any delays in production of the specifications and accept full responsibility for our failure to comprehend your desires and instructions. The following schedule will show the progress of completion dates and meetings.

Date:	Description:
•03/07/90	Submittal of Hurricane Creek Standard specification for review. Refer to document pages 2-4 through 2-5.
•03/30/90	Return of marked changes to Hurricane Creek specifications to NWE.
•04/02/90	Meeting with Mr. Tom McCracken, RMC Corporate Engineering Dept., RMC Sherwin Alumina Engineering and Environmental Depts. Refer to document pages 3-6 through 3-9 for minutes of meeting dated April 9, 1990.
	Agreement was made between RMC and NWE to return specifications by 04/09/90.
	NWE was directed by Jack Barbee to observe Gilman Brothers and report on their compliance. Refer to document pages 4-10 through 4-11.
•04/05/90	The first draft of the Sherwin Alumina specifications were returned to RMC.
•04/19/90	Recitation of letter indicating problems in our performance. Refer to document pages 5-12 through 5-15.
•04/20/90	Changes to the first draft were returned to NWE.
•04/23/90	Draft #2 was returned to RMC, Corpus Christi, Texas.

004246

MONTHLY MANAGEMENT REPORT (cont.)
PREPARED BY NWE CONSULTANT: BRIAN THOMPSON, P.M.
REVIEWED AND EDITED BY
CLARE R. (RANDY) HALL, PRESIDENT (NWE)

MAY 1, 1990

Specifications (cont.):

Date:	Description:
•04/25/90	Changes to draft #2 returned to NWE. Meeting was held in Corpus Christi, Texas with the RMC Engineering and Environmental Dept.
•04/27/90	Specifications completed and 10 copies delivered to RMC.

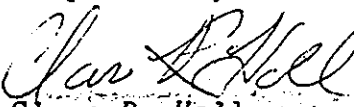
Problems:

We perceive the problems in delivery of the specifications as one created by our submitting specifications provided for another RMC alumina facility (Hurricane Creek). We understand now that your plant is specific in your requirements and in hind sight realize that trying to meld the Sherwin Plant specifications and policies into those accepted by another RMC facility was not practical.

Likewise our understanding of your instructions to us (reference documents pages 6-16 through 8-21) were clouded by our services being utilized by RMC at various other locations. Our perception of your needs overshadowed your instructions. In the future we will read, listen and follow instructions verbatim. We now realize that well meaning efforts and intentions can create a nuisance, if not a problem, when they vary from specific instructions.

We are looking forward to continuing services at the Reynolds Sherwin Alumina Plant and hope that you will find us a helpful part of your asbestos program.

Respectfully Submitted,


Clare R. Hall
President

004247

NORTHWEST ENVIROCON, INC.

3415 Truman Street/P.O. Box 169
Washougal, WA 98671
(206) 835-8576
(503) 230-0702
FAX (206) 835-3729



Project Managers
Certified Industrial Hygienists
Environmental Consultants
Training Programs

March 7, 1990

Mr. Frank Strickland
Reynolds Metals Company
Alumina & Chemical Division, Sherwin Plant
Highway 361
Gregory, TX 78359

TECHNICAL SPECIFICATIONS

Enclosed is a set of our standard technical specifications for asbestos abatement. This set does not include a sample of every section we use from time to time; for example, it contains only one respirator section and, depending upon the project, we use one of three different sections. In addition, these specs are written around OSHA and state-approved equivalent plans rather than MSHA; thus, editing is required.

We can, with approximately 12 hours of billable time, re-edit these specs for generic use at the Sherwin plant so that only the Summary of Work section would change from project to project. All respiratory sections, for example, would have the same section number for cross reference purposes and to simplify the table of contents.

Our standard protocol with specifications is to spend as much time as is needed up front to get all involved parties - purchaser, engineering, environmental, legal, Northwest Envirocon - in mutual agreement and acceptance of the form and content. Subsequent issuance of specifications then becomes a largely clerical task. So we encourage and request editing, revisions, recommendations, questions and any other suggestions regarding specifications.

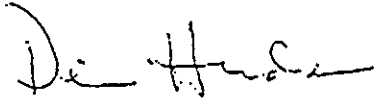
Also, I advised Tommy that our mileage rate for Reynolds is \$.30 per mile, this rate is in the current agreement, and this rate will roll over into the next agreement. Tommy advised me we are not billing you for mileage in and out of Corpus, and I want to take this opportunity to confirm that with you in writing.

We at Northwest Envirocon are looking forward to serving the Sherwin plant and working with all the fine people there to accomplish a mission for Reynolds Metals Company.

004248

Mr. Frank Strickland
March 7, 1990
Page 2

NORTHWEST ENVIROCON, INC.



Dennis Hudson
Executive Vice President

Enclosure: Reymet Hurr Crk Tech Specs (2)

004249

April 9, 1990

ASBESTOS ABATEMENT PROJECT COMMITTEE MEETING

DATE: April 2, 1990

TIME: P.M. - Monday

The following represents a brief summary of an organizational meeting conducted at Reynolds Metal's Sherwin Alumina Plant in Corpus Christi, Texas.

The purpose of this meeting was to clarify duties and responsibilities of Northwest Envirocon, Inc. (NWE) and Reynolds Metals Company (RMC).

ATTENDANCE

Jack Barbee (RMC)	Hector DeLargarza (RMC)
Ed Peterson (RMC)	Tom McCracken (RMCC)
Bill Hamlin (RMC)	Randy Hall (NWE)
Walter Lew (RMC)	Brian Thompson (NWE)

CONCLUSIONS

1. NWE will be responsible for the compliance with the specifications.
2. NWE will not interfere with the contractors progress unless he is in violation with the RMC specification.
3. NWE will develop a carbonless "report of variance" form to facilitate and expedite the communication of variances or a lack of compliance.
4. Distribution will include but not be limited to Jack Barbee, Walter Lew, the contractor representative and NWE corporate.
5. RMC will have two designated groups with control over the project, the Environmental Dept. (RMCE) and the Engineering Dept. (RMCENG).
6. NWE will have no responsibilities with regard to purchasing.
7. NWE will provide a timeframe and budget to facilitate a compliance audit.

004250

Asbestos Abatement Project Committee Meeting
Page Two

8. RMC will keep NWE informed of the locations and schedules for upcoming capital projects and maintenance projects, to enable us to schedule manpower and equipment.
9. The flow of information and scheduling of meetings with the contractor (excluding purchasing), will include a representative from NWE. (Without participation in decisions and meetings with the contractor, NWE will be rendered ineffective.)
10. RMC will expedite the resolution of any and all issues or variances encountered.
11. NWE will provide daily logs to provide a permanent record of all asbestos related activities.
12. When requested NWE will provide assistance in other environmental problems.
13. NWE, RMC, and the contractors will have a weekly project meeting to assist in any communication and scheduling problems necessary to complete a project of this magnitude.

RECOMMENDATIONS

1. RMC will appoint a representative from maintenance and or production to participate in the weekly meetings. This will keep the team informed of any anticipated or scheduled maintenance that may require some form of abatement thus eliminating the vast majority of emergency work, overtime costs and production delays. This will also allow enough time to sample and verify that the material is asbestos and the expenditure is justified.
2. Sample all proposed asbestos projects. This facility has not been thoroughly surveyed. We recognize that capital projects have been scored and determined, these projects should be sampled to verify the types and percentages of asbestos contained in the scope of work. (Different types of asbestos require different engineering controls, wetting agents, etc. for removal.) In many cases this sampling will show some areas assumed to be asbestos to be asbestos free eliminating them from the scope of work and the costs associated.

004251

Asbestos Abatement Project Committee Meeting
Page Three

3. Code the contractors time sheets to delineate activities:

Example: 1. Supervisors A - Administration
 Foreman
 Clerical

2. Workers M - Mobilization
 R - Removal
 D - Demobilization
 I - Insulation

- Mobilization - will consist of all tasks including but limited to equipment repair, scaffold erection, containment erection, etc.
- Removal - will include the time associated with actual asbestos removal.
- Demobilization - this will include the time involved with finishing the project after the asbestos exposure is no longer being encountered.
- Insulation - time spent insulating.

The reasoning for the coding system is to assist RMC in proving that workers who have been onsite removing asbestos have received exposure monitoring while they were engaged in exposure related activities. It is our understanding that some workers have been onsite for several years. In the event of future litigation, it will prove invaluable to be able to cross reference this data with entry/exit logs to substantiate a workers time weighted average (TWA) - dose response relationship.

This coding system will also provide an excellent tool to associate unit prices with manhours expended while doing work on a time and material basis. It is also useful in comparing contractor performance.

4. Develop a plan to verify, document and identify all of the areas that have been reinsulated with asbestos free materials.

004252

Due to the size and construction dates of this facility, it is reasonable to assume that most thermal insulation contains asbestos. With proper hazard communication inadvertent exposures can be eliminated. Sampling will provide positive proof on a project to project basis.

Asbestos Abatement Project Committee Meeting
Page Four

Once the asbestos has been replaced there has to be a system to provide proof that the material is asbestos free without the time delays and costs associated with sampling. Colored bands and warning labels will not be a lasting solution in this plant and new insulation will quickly look old. One solution is to provide catalogs of isometric drawings to your engineering, maintenance and environmental departments clearly displaying tanks, piping systems and equipment that has been upgraded to an asbestos free condition.

Finally, these are merely a few of many suggestions that we have proven to work in other industrial facilities to reduce the liability and control the costs associated with the process.

Respectfully Submitted,

Clare R. Hall
President, NWE

CRH/sr

cc: Attendees

004253

NORTHWEST ENVIROCON, INC.

16811 El Camino Real, Suite 119
Houston, TX 77058
(713) 488-8688
FAX (713) 488-8787

April 5, 1990



Project Managers
Certified Industrial Hygienists
Environmental Consultants
Training Programs

Jack Barbee
Reynolds Metals Company
Sherwin Alumina Plant
P.O. BOX 9911
Corpus Christi, Texas 78469

Dear Mr. Barbee:

I would like to start this letter by thanking you for giving us the opportunity to provide our services.

In response to your request to monitor the activities of Gillman Brothers, apparently they have completed their segment of their contract involving asbestos abatement.

They are currently insulating some tanks. While insulating tanks is not abatement it does require a industrial knowledge and a well organized company to undertake a project of this magnitude to complete it in a workman like manner.

Our investigation of work history was directed to the following agencies and individuals:

- 03/39/90 - Paul Henderson
EPA Dallas Texas
(214) 655-7244

Results: No citations issued over the last four quarters.

- 03/29/90 - Herbert Williams, Director
Steve Rossing
Texas Air Control Board
(713) 666-4964

Results: No citations issued over the last four quarters.

- 03/29/90 - Joe Stone
Asbestos Licensing Texas Dept. of Health
(512) 958-7254

Results: No citations issued over the last four quarters.

004254

Portland/Vancouver

(206) 835-8576

Eugene

Seattle

Spokane

Jack Barbee
April 5, 1990
Page Two

•03/29/90 - O.S.H.A.
(713) 750-1830

Results: No response (results are forth coming.)

•03/29/90 - Leonard Mormon
Texas Dept. of O.S.H.A.
Solid Waste Division
(512) 458-7271

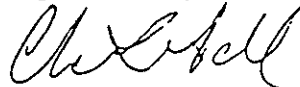
Results: Approved disposal site for asbestos waste in
Colorado County. Tri Cil Environmental
Landfill. Permit #203.

The results of our regulatory research has not
provided any negative information in regards to this
contractor.

We are willing to work with anyone who is willing to
work with Reynolds and Northwest Envirocon, Inc.

It is our desire to provide service and assist
Reynolds in anyway possible to limit your liability and
save you money.

Respectfully Submitted,



Clare R. Hall, President

CRH/sar

cc: Walter Lou, Environmental Manager - RMC, Corpus
Christi, Texas

004255

RACOMPANY CORRESPONDENCE

Rev. 1-68)



ADUG

O M:

J. Barbee

TO:

F. Strickland

FROM:

R. Nelson, D. Riner, W. Lew, Engineering File

DATE:

4/12/90

Northwest Envirocon

SUBJECT:

Attached you will find the Engineering Review of Northwest Envirocon's performance to date and their activities.

It is evident that even after the meetings held with Northwest Envirocon supervision, they do not understand their contract and also that we are not administering supervision over their activities.

These people are doing everything I have asked them to do. You need to be NO SPECIFIC ON WHAT YOU MEAN (underline)
Northwest Envirocon is not being contracted to assume Reynolds responsibilities over the contractors. The Work Specification WS-LQ-1004 clearly defines their area of responsibilities.

(Work is not proceeding and Northwest Envirocon is not following their contract.)

J. Barbee
J. Barbee

dd

*all comments made
are written by Environmental
B. Th...*

Post-It™ brand fax transmittal memo 7671		# of pages	4
To:	Landy Hall	From:	Brian Thompson
Co.	NWE Wash	Co.	NWE RMC CO
Dept.	Washougal	Phone	777-2257
Fax	835-3729	Fax	

004256

COMPANY CORRESPONDENCE

(48)

Ed Peterson	
Jack Barbee	
W. Lew, B. Hamblin	
4/11/90	Review of Northwest Envirocon, Inc. Proposed Asbestos Abatement Specifications

NWE submitted their specification which has been tailored for the Sherwin Plant to us for review. Bill Hamblin and I have completed this review and do not feel that NWE understands their responsibilities under our current contract with them. Attached are our two marked up copies showing where the misunderstandings occur. In general, these observations are summarized as follows:

1. Their relationship to contractors is incorrect.

They state that they are the owner's (RMC's) ^{CONSULTANT} (representative) when in fact they are our consultant. They have the contractors' reporting relationships incorrect. ~~They indicate the contractors should report to NWE which is not the case as the contractors should report to RMC personnel.~~ Approval of all items comes from RMC personnel and not the owner's consultant. On page 01091-2, NWE states that they will represent the owner during construction and until final payment. They further state that RMC's instructions to the contractor shall be forwarded through NWE. This is not the case at any time except during an emergency condition at which time NWE may shut down the job.

FOR ENVIRONMENTAL PROBLEMS WHICH YOU CLAIM TO KNOW NOTHING ABOUT?

2. This specification includes many procurement items which are not included in NWE's current responsibilities.

They make numerous mention of:

Contract Documents
Payments
Successful Bidder
Certificate of Insurance
Retainage
RMC Right to Cancel Contracts
Final Payments
Resume Submittal for Minimum Work Experience Above the Local
Certification Requirements for Abatement Workers

→ RICHMOND Requirement

with explanation to have 50% of the Richmond work - RMC Requirement

3. They have tried to incorporate contract administration in their specification.

They state that RMC Work Spec. WS-LQ-1004 is subordinate to their document, when the intent was to be the opposite. Their specification was to be a technical reference document for abatement performance standards, and not to include contract administration such as: how water and air are to be made available (WS-LQ-192); who is to provide sampling (WS-LQ-1004); said contractor is to submit proposed location of approved disposal site) RMC's responsibility, not contractor's);

004257

002 PAGE 01013-02

you have to be on the ground and you have to be on the ground

WILL YOU BE RESPONSIBLE FOR WORKING A JOB THAT NEEDS THIS AND
EXPOSING PERSONNEL TO AIR BORNE ACM

continuous reference to OSHA (we are covered by MSHA); said contractor is to dedicate individual circuits to negative air machines (RMC may not be able to shut down other circuits).

4. Requiring sophisticated equipment that our local contractors do not have. For small jobs, they require the use of specialized equipment such as drills and saws having integral ventilation hoods. It is my opinion that the contractor should be allowed the opportunity to submit a work plan that will meet the performance specifications but that does not necessarily require the use of specific equipment.

5. NWE does not have an established procedure to change or modify their requirements in an acceptable fashion.

ALL ASBESTOS JOBS ARE DIFFERENT, TWO PROCEDURES TO CHANGE OR MODIFY WILL FOLLOW SUIT

We hear from the field that NWE is issuing instructions to the field that are not in this specification. My understanding is that NWE will only have two (2) opportunities to specify procedures to the contractors:

- With this proposed technical performance specification.
- By review of the work plan submitted by contractors prior to the work beginning.

If NWE anticipates the need to issue further revisions to contractors, they need to establish a procedure to make these revisions and specify this revision procedure in their technical performance specification.

Also, I do not understand the NWE wording that the contractor needs an NWE action stamp to start work, nor their distinction between restricted use versus final but restricted use.

Comments on Technical Requirements:

- Our previous plant requirement to contractors included the use of aggressive air simpling. NWE states it is not required. Does RMC accept this change?
- I do not think the contractor is capable of providing historic sampling results of an area of work before the work begins, as proposed on page 01562-2.
- Is it a legal requirement to not allow workers to drink water in a containment area as specified on page 01560-4?
- We feel that NWE's discussion of barriers (critical, primary, secondary) primarily relates to buildings while the majority of our work is outside. We feel they should comment on this aspect.

In general, it is obvious that the NWE technical writer marked up a general specification in use at other locations that was intended to cover procurement and total contract administration. I do not think the message has gotten across that their current responsibilities are:

- Recommend performance specifications for abatement requirements only.

- b. Sample during contractors abatement procedures.
- c. Serve as owner's consultant during abatement procedures, monitoring job performance, and reporting same to RMC.
- d. Serve as technical consultant on special requests.

It is my recommendation that NWE revise their specifications to respond to these observations. It would also be to some advantage to have them submit their specification in the same format and as a RMC standard Work Specification.

RMC IS NOT SPECIFIC ENOUGH TO COVER THE LAWS WORK MATTER INVOLVED IN ASBESTOS REMOVAL

Ed Peterson

E. Peterson

ddm

004259

Author: *Barbee*
 Date: 2-15-90
 Approved: *[Signature]*

REYNOLDS METALS COMPANY
SHERWIN PLANT

Work Spec
 WS-LQ-1012
 Page 1 of 4

TITLE: THIRD PARTY ASBESTOS REMOVAL MONITORING AND ADMINISTRATION

PURPOSE: The purpose of this work specification is to issue a contract for third party administration and monitoring of asbestos removal and handling during normal capital and plant maintenance activities in the Sherwin Plant.

This Vendor will be called "Compliance Vendor" in this specification.

SCOPE: The Compliance Contractor will be employed to assist and advise Reynolds Metals Co. in the following areas of asbestos removal and handling:

- a) Removal of small and large amount of asbestos for both minor abatement and repair and capital project major asbestos insulation repair and removal.
- b) Establishing Construction Contractor's or plant forces procedures to be followed for small to medium emergency asbestos removal and containment jobs during normal or emergency plant maintenance. Assist RMC personnel in monitoring and implementing these procedures.
- c) Establishing, monitoring, and maintaining asbestos removal and handling records.

WORK TO BE INCLUDED BY VENDOR:

- a) Compliance Vendor will survey insulation removal and handling projects as specified by RMC personnel and write procedures to be followed by Reynolds employeeed insulation contractors in both removal and handling of asbestos containing materials.
- b) Compliance Vendor will monitor insulation removal contractor's compliance with procedures as specified in above paragraph. Vendor will make recommendations to the RMC Construction Engineer as to necessary changes or revision to procedures as required. (RMC Construction Engineer will administer contract with insulation Contractor).
- c) Compliance Vendor will provide laboratory services including air monitoring, bulk sampling and analysis. Environmental assessments and audits (air quality testing on a "as required" or "as requested" basis.
- d) Tabulation and documentation of each asbestos removal and handling project and establish acceptable record packages for each individual activity for further reference. This paragraph will be coordinated with the RMC Construction Engineer who will provide normal daily construction logs and documents as required for adequate activity records.
- e) Compliance Vendor will provide in-house asbestos handling

004260

JBBarbee
2-15-90

Work Spec
WS-LQ-1012
Page 2 of 4

advice to Reynolds Engineering on an "as requested" basis as well as making an asbestos abatement or removal survey as may be requested by RMC Engineering. Vendor will advise RMC representatives of any unacceptable variances observed in asbestos handling within plant.

- f) Compliance Vendor may be requested to assist in the approval of insulation contractor qualifications during the bidding process.
- g) Vendor to provide all insurance, business permits, licenses, etc., required to do business in plant locality.
- h) Makes monthly compliance reports to Plant Management.

WORK NOT INCLUDED:

- a) Construction coordination and control.
- b) Project selection (some assistance may be solicited)
- c) Asbestos survey

REYNOLDS METALS CO. TO PROVIDE THE FOLLOWING:

- a) Selected insulation contractors
- b) Engineering supervision of contractor's demolition activities.
- c) All equipment outage coordination.
- d) Contractor time sheets including contractor personnel on-the-job identification.
- e) Project Management and Accounting.
- f) Project selection (Vendor may be requested to assist in this area as required)
- g) Office space, including power, telephone, utilities to Vendor's office.
- h) Safety equipment required by Vendor except clothing, prescription glasses, and safety shoes.
- i) Selected items of materials as requested by insulation handling contractors.
- j) Reproduction and communication facilities.
- k) Reproduction materials
- l) Mail service and first aid facilities.

ORGANIZATION:

1. The successful asbestos compliance Vendor will report to the Sherwin Environmental Control Group on matters concerning procedures and compliance.
2. The compliance Vendor will work with the Sherwin Plant Engineering Construction Contract Administrator in monitoring the compliance to asbestos handling specifications by the handling contractor.
3. The Sherwin Construction Coordinator will supply construction records for the project compliance file to be maintained by

004261

JBBarbee
2-15-90

Work Spec
WS-LQ-1012
Page 3 of 4

the compliance Vendor. The completeness of the individual project file is the responsibility of the compliance Vendor.

4. The compliance Vendor will communicate any problems or questions concerning his specific contract to the Plant Engineer and/or the Plant Purchasing Agent.

004262

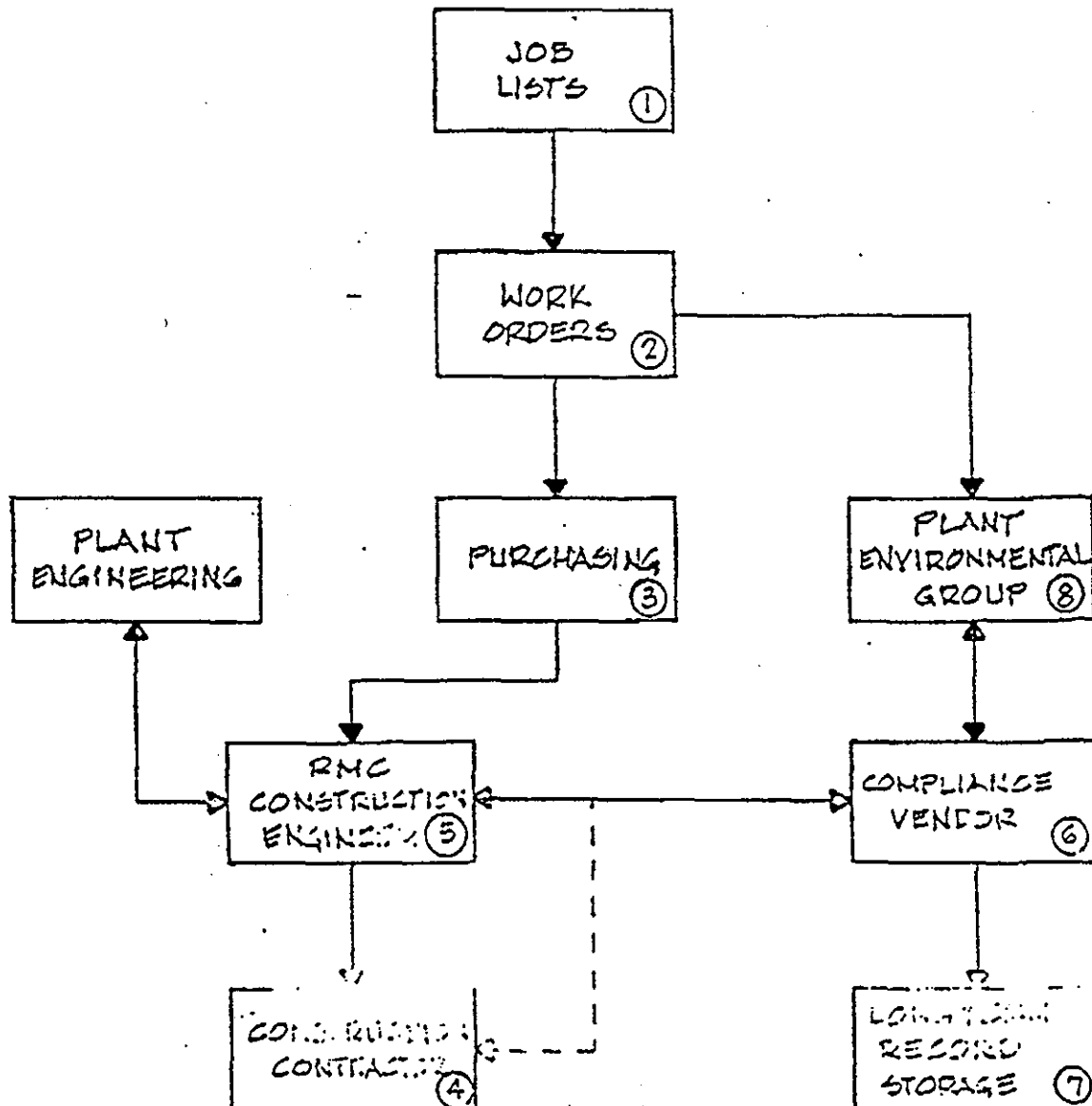
LOS-LQ-1012

Page 4 of 4

ORGANIZATIONAL DUTIES

1. Work Lists Prepared by Plant Staff
2. Work order written by Plant Environmental Department or by Plant Engineering. Through normal procedure.
3. Purchasing - Secures Vendors. Awards contracts.
4. Abatement Contractor - Computes jobs per specifications issued by compliance vendor.
5. Reynolds Construction Engineer
 - a. Arranges Outage
 - b. Signs Time Sheets & Authorizes Charges
 - c. Coordinates Accounting
 - d. Maintains Job History
 - e. Enforces Contractor Compliance with Compliance Vendors Instructions or Recommendations.
 - f. Monitors All Contractors Activities
6. Compliance Vendor
 - a. Reviews individual job parameters and writes insulation removal instructions for abatement contractors compliance.
 - b. Monitors all asbestos handling activities for compliance with written instructions.
 - c. Completes all environmental samples required in asbestos removal area. Completes other environmental sampling as requested by RMC.
 - d. Accumulates all individual job records for long term storage and reference.
 - e. Provides other areas of asbestos handling expertise as requested by RMC.
 - f. Writes Monthly Management Report.
7. Permanent Records will be kept in long term storage.
8. Plant Environmental Group
 - a. Assigns W.O. to compliance Vendor for design of asbestos handling procedures. Will priority insulation repair or removal jobs.
 - b. Reviews and approves vendors compliance procedures for auditing purposes.
 - c. Monitors compliance vendors records and established procedures.
 - d. Reports to plant management on effectiveness of program and compliance vendors performance.
 - e. Reviews sampling procedures and results.
 - f. Generally supervises activities of compliance vendor.

004263



004264

EXHIBIT B - March 1, 1990

Compensation shall be against approved time sheets and reimbursable rates as follows:

With Errors & Omissions Coverage

Service/Classification	Short Term	Mid-Term	Long Term
Certified Industrial Hygienist	73.00	69.00	64.00
Contract Administrator	73.00	69.00	64.00
Industrial Hygienist	53.50	51.00	47.00
Senior Project Manager	50.00	47.50	44.00
Special Writer	50.00	47.50	44.00
Project Manager	40.00	38.00	35.00
Survey Analyst/Draftsman	40.00	38.00	35.00
Air Monitoring Technician	37.00	35.00	32.50
Clerical/Data Entry	26.00	24.50	23.00
Bulk Samples	21.00	21.00	21.00
Air Sample Cassettes	12.00	12.00	12.00
Duplicating/Binding	.04	.04	.04
Per Diem	55.00	50.00	see note

On long term projects, Northwest Envirocon will rent an apartment for their employees. The cost to Reynolds will be apartment rent, utilities and \$18.00 per day for meals, but in no case more than \$50.00 per day per employee. For example, an apartment and utilities might be \$500.00 per month, meals will average \$540 per month per employee; if two employees are on the project this would be \$1,580, or \$37.62 per working day per employee, average. Of course, this charge applies only to traveling employees. If Northwest Envirocon can hire qualified local employees, there is no per diem charged.

In addition, on projects of one year or longer, we will relocate the affected employee(s) and recover the moving expenses with a \$12.00 per day (\$3,000 per year) relocation expense. This will significantly reduce per diem expenses.

Clarifications:

- Short term is 6 weeks or less
- Mid term is 7 weeks through 6 months
- Long term is over 6 months

-Compensation will be based on the lowest applicable rate

004265

Items that will be invoiced at cost plus 15% include equipment rentals, subcontractors/subconsultants, survey and field supplies and outside laboratory fees.

Items that will be invoiced at cost include travel other than auto, parking, tolls, mail and freight.