FROM PLANT SAFETY & HEALTH STEERING COMMITTEE TO MEMORANDUM

ROCKDALE WORKS

1979 January 23 JAN 29 1979

RE: PLANT SAFETY AND HEALTH STEERING COMMITTEE MEETING MINUTES

Date, Time, Place 1978 December 14, 2:00-4:00 p.m., Bldg. 80, Room 138

Attending E. R. Goltra,MD, E. B. Parker, J.C. Morgan, C. H. Satcher, Ike Korenek, Finis Black, F. L. Rhodes, R. E. Cox, Arby VanSlyke, H.N. Mueller

An updated safety and health project list is attached.

Following is the schedule of Department Safety and Health Steering Committee meeting schedule for 1979 January and February.

Potrooms - January 17
Ingot - January 15, February 12
Carbon Plant - January 24, Feb. 28
Rodding - January 26, February 23
Atomizer - January 15, February 19
S.A.F.E. - January 4, February 1
Electrical Maint. - January 9
Services - January 24

The next meeting of this committee will be on February 8 at 2:00 p.m., Building 80, Room 138.

H. N. MUELLER

HNM:cw
Attachment

Copy - Plant safety and Health Steering Committee
F. P. Bergeron/W. J. Drake
Department Heads
Superintendents
Smelting Safety Managers
J. R. Archibald, Pittsburgh
T. B. Bonney, Pittsburgh
H. D. Belk, MD, Pittsburgh
C. E. Magee, USWA, Rockdale

Bob, see notes on F under Potroom. Partial explanation for Rockdale's high urinary F-s. Ken 79-02-06

Joe, see last page RE: CO airline monitoring

PLAINTIFF'S EXHIBIT AL-1737

ARD 001811

ALCOA

SF-4563

ACTIVE SAFETY PROJECTS

DEPARTMENT Plantwide RESPONSIBLE PERSON

Item and Brief Description	Status
Housekeeping improvement program	Safety and health steering committee appointed sub-committee to develop housekeeping improvement program. Sub-committee has met and prepared proposal. Educational and promotional program to be prepared by 1978 October. (Brent Lemons, H.N.Mueller)
Safety representative recognition A. Purchase safety caps B. Train safety representatives	Safety caps-fluorescent green-received 78-07-31. Distribution complete 78-09-07. J.J.Congleton to develop safety representative's training program
Gasoline and diesel pump station - main entrance to plant near walkway	Present gasoline and diesel pump station to be relocated. Suggested locations are: (1) Vicinity of new vehicle repair shop, (2) Across from Properzi building, (3) Northeast of potroom Line 8. These proposals have been reviewed with R. P. McCracken, Pittsburgh Fire Protection. Review with plant safety and health steering committee at 78-09-21 meeting. In the meantime, enforcement of our present rule prohibiting tank trucks from filling the underground tank at shift change will be emphasized. (RFA approved in early 1978 December per W.D.Essary)
Safety rule book format (needs revision)	After reviewing, safety rule loose leaf notebook, general safety rule concept followed by departmental rules, it was agreed to pursue this format. Letters to appropriate areas of responsibility will be written and sent requesting review and submission of final safety rules for their respective areas. Estimated completion date - final form ready for printers 79-02-01. Plant safety rules (draft) will be sent to plant safety and health steering committee members for review and return to J.J.Congleton. 78-09-08.
Ditch road - detour A. Oil on roads bleeding B. Evaluate installing guard rail to prevent autos from going into lake C. Fill in holes on bypass lake road D. Dust from the bypass lake road	To investigate and take appropriate action. Report at next PS&HSC meeting. Cover roads with slag Seal the road or water both morning and afternoon Need reflectors down center (J.J.Congleton)
Safety billboards A. Temperature hard to read B. Cannot tell which dept. had Lost Work Day Case	Paint center needle red to help identify present temperature. When the light is turned on a 1& will be added to the number column for the dept. having suffered the Lost Work Day Case - i.e., Potlining 1&4 (H.N.Mueller)

ARD 001812

ACTIVE SAFETY PROJECTS

DEPARTMENT Plantwide RESPONSIBLE PERSON

Item and Brief Description	Status
Numerous low-profile type vehicles such as bicycles, scooters, payloaders, mowers, small tractors, and some fork trucks have been involved in several accidents and near-misses in the last few years. One of the reasons is lack of visibility.	Purchase 1,000 bicycle flags of a bright orange color with green safety logo, ALCOA, and "Drive Safely" printed on them. (1) 500 for in-plant use (2) 500 for employee sales - Alcoa will share in the expense and offer them to employees at the reduced price of $1 each. (Promote off-the-job safety) Complete, however many vehicles still do not have flags.
Lights on vehicles	Vehicle lighting policy - complete, however, many not being used.
Lights from Bldg 134 that shine on the street-one out of seven working	W.O. #_____
North road curve is sharp and needs a reflective curve sign and relocated further north	Sigh ordered -, P.O. 698984 (W.J.Davis)
People not using walkway to and from showers - using the street	Publish safetygram (C.H.Satcher - H.N.Mueller)

ARD 001813

ACTIVE INDUSTRIAL HYGIENE PROJECTS

DEPARTMENT Plantwide RESPONSIBLE PERSON

Item and Brief Description	Status
1. Asbestos is still being used in the plant	1. Compiling a report on asbestos use and action plan to eliminate its use and find substitutes. Report progress at next PS&HSC meeting. (E.B.Parker)

ARD 001814

ACTIVE SAFETY PROJECTS

DEPARTMENT POTROOMS RESPONSIBLE PERSON H. McLaughlin

Item and Brief Description	Status
1. Find another location for breaking up blocks with backhoe-presently located in Cy.7 west end - dust and noise in Potrooms	Under study

ARD 001815

ACTIVE INDUSTRIAL HYGIENE PROJECTS

DEPARTMENT POTROOMS

RESPONSIBLE PERSON Hugh McLaughlin

Item and Brief Description	Status
1. Pot tenders eating their lunch in potrooms (exposure to fluorides through ingestion)	1. Proposal for upgrading lunchrooms reviewed with potroom people and janitors by 78-01-30 - Complete 2. RFA for upgrading lunchrooms has been approved. 3. Project to be complete 79-01-15 (All T-51 lines complete 78-12-31)
2. Fluoride exposure	1. Proper respirators provided and people trained - complete (Results of OSHA tests indicated compliance. Mandatory respirator use not indicated) 2. Evaluation of experimental Rockdale covers in progress. Engineering design of new covers for Rockdale pots complete.
3. Potroom crane cab environment	1. Festoon system design complete, but installation on hold because of cost inequities with present self-storing system. 2. Present self-storing system is installed in rooms 20 and 22 and is operational. Operator acceptance has been marginal at best. 3. Efforts are presently being concentrated on the Badin air mover system. First such trial installation scheduled by 78-12-31. Evaluation will commence upon installation.
4. Dust from ore bucket filling	1. Side loading bucket has proven inappropriate due to difficulties in filling. 2. The concept of physically moving bucket out of room and under tank discharge system for top loading of bucket is being investigated. Cost analysis of various approaches to this end is underway. Best alternative to be determined by 79-01-31.
5. Dust from ore bin filling	1. Design for improved dump gate to be started by Pittsburgh Engineering in 1979 January. It is a Company-wide problem. Schedule of work is being developed in Pittsburgh. Prototype of new bucket to be tested at Badin. Rockdale general arrangement design to begin 1979 February.

ARD 001816

ACTIVE INDUSTRIAL HYGIENE PROJECTS

DEPARTMENT SERVICES DEPARTMENT — RESPONSIBLE PERSON Dave Smith

Item and Brief Description	Status
1. Dust from coke blasting flexible riser connections in Potrooms	1. Pangborn refused to quote on blast enclosure. Process Equipment Division is developing prototype enclosure for trial at Rockdale later this year. Sanding belt alternatives are being studied.
2. Dusting at ore unloading station	1. Investigate standardization of ore cars - complete. Not possible. 2. Investigate use of lean-to obtained from Pt.Comfort to place against rail car during unloading. Does not appear feasible - complete. 3. Investigate ways of keeping floor hoppers full to avoid intermittent dust clouds when opening rail car hoppers. Project is feasible, but has low priority because of low order of dust exposure. Complete. 4. Evaluate vacuum cleaning vs. sweeping in basement - complete. Dust exposure significantly reduced by vacuum cleaning. Permanent vacuum lines installed and in use. Dust leaks in duct system have been repaired. Complete. 5. Shop order for improved ore blending device (to minimize slugs of fine material in ore stream) has been approved. Installation complete. Equipment performing satisfactorily. Complete. 6. Respiratory protection provided and people trained - complete. 7. Investigate reducing volume of hoppers to reduce dusting when unloading into an empty hopper. Wooden prototype constructed for evaluation.
3. Dust from ore belt transfer points	1. Engineering project to improve dust collection in progress. Proposal to be complete and request for funds submitted by 78-05-31. Shop order approved. Material being fabricated. Installation by 78-10-31. Complete.
4. Bag changers exposed to unregenerated ore when working in A446 reactors	1. Evaluation of English barrier cream complete. Found to be somewhat effective, but not a cure-all. Additional quantities ordered. 2. Evaluation of Airstream helmets complete. Found to be unsatisfactory in this application. 3. Evaluation of cool suit completed. Found to be satisfactory except for weight of the hoses - need lighter equipment. Disposable coveralls and disposable air-supplied hoods and vests with vortex tube being evaluated. System works, but excessive water in compressed air plugs filters in very short time. Water traps have been ordered and evaluated. Another test is needed. Concern exists that air volume may not be adequate. 4. Proper respiratory protection provided. Complete.
5. Dust spillage from trash screen-A398 systems and 19X tower system	1. Several alternatives investigated. Engineering still active. No. progress.

ARD 001817

ACTIVE SAFETY PROJECTS

DEPARTMENT CARBON PLANT RESPONSIBLE PERSON J. L. RODDY

Item and Brief Description	Status
1. Inadequate cleanup of regenerated alumina spilled from A446 units and regenerators in Courtyards 58,60,62	Evaluation of ice cream cart Tennant sweeper complete. Equipment did not perform as hoped. Brooms and shovels still best way of cleaning up in tight spaces.Complete. Evaluate small supersucker. Vacuum attachment fabricated and tried. Slow, but effective. Some modifications may be needed. Will be used in connection with manual methods. Complete Coordination of waste removal improved. Continuing attention required. Engineering looking at ways of reducing wet beds. EE working on 4 zone control. ME looking at possibility of using potable water for sprays. This will reduce instances of dumping wet ore into the courtyards. Since cleanup is now considered adequate, project as originally stated is complete.

ARD 001818

ACTIVE INDUSTRIAL HYGIENE PROJECTS

DEPARTMENT CARBON PLANT

RESPONSIBLE PERSON Jerry Roddy

Item and Brief Description	Status
1. Coal tar pitch volatiles exposure mixer floor	1. Provide respirators - Complete. 2. Respirator training - Complete 3. Implement respirator program - Complete. 4. Mixer door project to be complete by 78-09-15 - Complete 5. Replacement of batch cars with screw conveyors to be complete 79 March. On schedule.
2. Coal tar pitch volatiles exposure, press room	1. Compliance testing of modified lube system - Complete. Results still indicate overexposure. Respirator usage made mandatory for press operators. 2. Area has been retested. Results indicate marginal compliance with OSHA standard. Respirator use still recommended. 3. Engineering considering means of providing additional ventilation. Waiting on drafting.
3. Dust from belching of Carbon Plant precipitator	1. Implementation of Research Cottrell recommendations complete. Still had belching. Research Cottrell representative called in and he pointed out a few things needing attention. Unit performance improved. Long range solution is to replace unit.
4. Inadequate number of drinking fountains	1. Survey made and additional fountains to be provided. Request for money to reinstall fountain in Bldg. 60 and to install 4 additional fountains, one on the east side of each furnace room has been submitted. Shop order approved, engineering in progress. New fountain installed in Bldg. 62. New water line required for 60 (2), 62E, 58E - 79 March. Work ticket in for 64E, 160W.

ARD 001819

ACTIVE INDUSTRIAL HYGIENE PROJECTS

DEPARTMENT RODDING ROOM

RESPONSIBLE PERSON Jerry Roddy

Item and Brief Description	Status
1. Excessive noise	1. Rodding Room modernization complete. Noise exposure survey completed. Over-exposure found, money for noise control included in clean-up RFA. Phase 1 to be complete 79-01-31. Exposure survey to be done 1979 March to determine need for Phase 2.

ARD 001820

ACTIVE INDUSTRIAL HYGIENE PROJECTS

DEPARTMENT INGOT & PROPERZI

RESPONSIBLE PERSON Ted Randall

Item and Brief Description	Status
1. Excessive noise	1. Evaluation of muffled filter box burners completed at ATC. Sample mufflers to be shipped to Rockdale for evaluation. Evaluation at Rockdale complete. Mufflers effective but overly expensive. Inactive. 2. Relocation of whistle at No.3 DC complete. 3. Modification of operator cubicle at No.3 DC to provide sound damping appears feasible. However, muffling filter box burners is a more satisfactory way of reducing noise exposure. No action planned until results of exposure dosimeter survey are available. Survey scheduled week of 78-11-13. Results of dosimeter survey 78-11-13 through 11-15 indicated need for hearing protection at No.3 DC but nowhere else in Bldg. 34. A new operator cubicle for No.3 DC has been ordered. To be available for use first quarter, 1979.

ARD 001821

ACTIVE SAFETY PROJECTS

DEPARTMENT Atomizer RESPONSIBLE PERSON Larry Tate

Item and Brief Description	Status
Bldg. 403 airslide crosses over stairway This causes a head-bumping hazard. Need some sort of warning device	Painted for hazards - Complete

ARD 001822

1978-11-22

ACTIVE INDUSTRIAL HYGIENE PROJECTS

DEPARTMENT ELECTRICAL ENGINEERING

RESPONSIBLE PERSON W. B. HOWELL

Item and Brief Description	Status
1. Carbon monoxide alarm not installed for plant air compressors that are used sometimes for breathing air	1. Installation for monitoring only - Complete 78-02-03. 2. Have experienced problems with instrument calibration; frequency of false alarms has been reduced to one in 12 weeks. However, calibration requirements are excessive. 3. Installation for compressor shutdown delayed pending evaluation of another brand of monitor. It is proposed to select the most reliable monitor and install an instrument on each compressor to accomplish shutdown. To be complete 79-01-31.

78-216

ARD 001823