INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
ASSET LOCATIONS

NOVEMBER 1, 1982 UPDATE

U=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING U=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED
C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT
N=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

03/25/82 NEWBURG TERMINAL A.D. GILLIE

X N . 1 GENERAL MAINTENANCE EMPLOYES SHOULD BE RE-MONITORED TO FURTHER ASSESS THEIR NOISE EXPOSURES
C N . 2 EMPLOYES SHOULD BE INFORMED OF THEIR NOISE EXPOSURE RESULTS

07/21/82 NORFOLK TERMINAL A.D. GILLIE

U . 1 MODIFY BRANCH DUCT ENTRIES
U . 2 REPLACE EXHAUST FAN
U . 3 MODIFY DUCTWORK DIAMETERS
U . 4 REPLACE FAN MOTOR
U . 5 MODIFY KETTLE/DUCT JUNCTION
U . 6 INSTALL VENTICAL EXHAUST STACK

10/30/81 CHARLESTON TERMINAL A.D. GILLIE

A A 03/10/82 01 INVESTIGATE AND REDUCE NOISE LEVELS BY ADMINISTRATIVE &/OR ENGINEERING CONTROLS (JJH)
C A 12/15/81 02 POST & REQUIRE PERSONAL EAR PROTECTION IN HIGH NOISE AREAS (JJH)
C N . 09 PROVIDE EYE WASHES AT LOAD RACK & ADDITIVE HANDLING AREA (JJH)
C A 12/15/81 10 EMPLOYES SHOULD BE NOTIFIED OF SAMPLING RESULTS (JJH)
A 12/15/81 11 DEVELOP LOG OF IH SAMPLING (JJH)
U . 12 OBTAIN LETTER CERTIFYING BREATHING EQUIPMENT (JJH)
A 03/10/82 15 SCHEDULE IH SURVEILLANCE (JJH)
A 03/10/82 16 DEVELOP ROUTINE MAINTENANCE OF VENTILATION SYSTEM (JJH)

PLAINTIFF'S EXHIBIT
TEX-83

WA-TEX 005765

WA-TEX005765

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MMS&T LOCATIONS

NOVEMBER 1, 1982 UPDATE

U=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING M=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT

W=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

10/30/81 CHARLESTON TERMINAL A.D. GILLIE
*MAINTAINED PERIODICALLY

12/11/81 TAMPA TERMINAL A.D. GILLIE

A	*	03/10/82	1	SECURE PAST AUDIOMETRIC RESULTS AND MAINTAIN IN THE EMPLOYE'S RECORDS *COPIES ARE BEING SUPPLIED-R.G. KREGEL'S LETTER 1/15/82
C	*	03/10/82	2	PERFORM AUDIO DOSIMETRY CHARACTERIZING EMPLOYE EXPOSURE TO NOISE FOR THOSE EMPLOYES CURRENTLY RECEIVING AUDIOGRAMS *REPRESENTATIVE DOSIMETRY PERFORMED BY MR. W.L. LEE ON 12/15/81
C	*	03/10/82	3	EMPLOYES SHOULD NOT BE EXPOSED TO HIGH NOISE LEVELS PRIOR TO AUDIOMETRIC TESTING *THIS IS THE ESTABLISHED PRACTICE
C	*	03/10/82	4	INFORM EMPLOYES OF SAMPLING RESULTS *EMPLOYES WILL BE NOTIFIED-R.G. KREGELS CORR-1/15/82
C	*	03/10/82	5	PROVIDE HEARING PROTECTION FOR WORK AROUND THE HOT OIL/ASPHALT HEATING SYSTEM & POST AS HIGH NOISE AREA *HEARING PROTECTION DEVICES HAVE BEEN PROVIDED AND WARNING SIGNS ON ORDER
C	*	03/10/82	6	PROVIDE RUBBER GLOVES FOR ASPHALT RACK EMPLOYES *HIGH TEMP NEOPRENE GLOVES ARE ON ORDER
X	*	03/10/82	7	INVESTIGATE NOISE LEVELS ASSOCIATED WITH THE TANK WAGON MONITORED BY MR. W.L. LEE ON 12/15/81

09/09/81 LOS ANGELES TERMINAL J.D. WATTS

C	*	3	NOTIFY LAB EMPLOYES OF FILM BADGE RESULTS
C	*	6	INITIATE PREVENTIVE MAINTENANCE PROGRAM TO INSPECT AND CLEAN EXHAUST VENTILATION SYSTEM IN COMPOUND/MANUFACTURING AREA

WA-TEX 005766

WA-TEX005766

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MASS LOCATIONS

NOVEMBER 1, 1982 UPDATE

I=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT

V=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

05/10/82 CLAYMONT TERMINAL A.O. GILLIE

X 10/21/82 1 THU SHOULD BE CONTACTED TO ARRANGE SCHEDULING FOR ENGINEERING CONTROLS TO REDUCE NOISE LEVELS IN BOILER HOUSE
**AS PER GEORGE EACH 9/28/82 PLANT IN PROCESS OF BEING CLOSED, BOILERS WILL BE SHUT DOWN AS SOON
**AS PRODUCT IS SHIPPED OUT, APPROX 30 DAYS

X 10/21/82 2 AUDIODOSIMETRY SHOULD BE PERFORMED FOR MAINTENANCE EMPLOYES TO FURTHER EVALUATE NOISE EXPOSURES
**AS PER GEORGE EACH 9/28/82 PLANT IN PROCESS OF BEING CLOSED, BOILERS WILL BE SHUT DOWN AS SOON
**AS PRODUCT IS SHIPPED OUT, APPROX 30 DAYS

10/14/80 AMARILLO PLANT J.W. NISBET

C 08/30/82 3 IMPLEMENT A PROGRAM FOR PERIODIC EVALUATION OF VENTILATION SYSTEMS
**08/30/82 TELECOM BR MELTON-JWN-BR MELTON WILL PERFORM MONTHLY REVIEW OF LAB HOODS WITH EXISTING
**VELOMETER-MEASUREMENTS NOTED IN LOG BOOK

08/18/81 AMARILLO PLANT J.W. NISBET

W 10/15/81 3 EVALUATE NEED FOR ADDITIONAL H2S CONTROL PROVISIONS FOR PLANT MAINTENANCE ACTIVITIES

12/29/81 AMARILLO PLANT J.W. NISBET

A 08/17/82 1 CONSTRUCT WASH-DOWN WATER COLLECTION TANK FOR PB CONTAMINATION
*TELCOM B.R. MELTON-JWN 2/22/82 PLAN GONE TO PLANT ENGINEERING DEPT FOR IMPLEMENTATION
*TELCOM B.R. MELTON-JWN 6/16/82 CONTRACT SUBMITTED FOR WORK
*TELCOM B.R. MELTON-JWN 8/17/82 CONTRACT IN REVIEW

03/11/82 AMARILLO PLANT J.W. NISBET

A 08/17/82 2 PERFORM SAMPLING FOR H2S - 2-8HR TWA DURING GAS ANALYSIS & 4-SHORT TERM SAMPLES ON SAMPLE CONTAINER PURGING AND 4-SHORT TERM ON ACTUAL GC RUNS
* TELECOM BR MELTON-JWN 6/16/82 SAMPLING AWAITING PLACEMENT OF GC UNDER HOOD
* TELECOM BR MELTON-JWN 08/17/82 VENTILATION SYSTEM HAS BEEN INSTALLED FOR SAMPLE PURGE PUMP
* AND GC EVALVATION TO BE CONDUCTED

WA-TEX 005767

WA-TEX005767

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MMS&T LOCATIONS

NOVEMBER 1, 1982 UPDATE

J=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT

W=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

11/26/80 EAGLE POINT PLANT A.D. GILLIE

	A 10/15/81	1A		PROVIDE A WRITTEN SOP FOR RESPIRATORY SELECTION AND USE REFERRED TO KH FOR REVIEW (FROM JJH)
C	W	.	1D	VERIFY THAT VENDORS' BREATHING AIR MEETS OR EXCEEDS CGA SPECIFICATIONS
C	W	.	1E	USE APPROPRIATE RESPIRATORY PROTECTION
C	W	.	1F	VERIFY THE CONTINUED EFFECTIVENESS OF THE RESPIRATORY PROTECTION PROGRAM BY ROUTINE INSPECTION
A	W	.	2A	SURVEY HIGH NOISE AREAS AND REDEFINE THE EQUAL LOUDNESS CONTOUR LINES
A	W	.	2B	POST HIGH NOISE AREAS WITH WARNING SIGNS
C	W	.	2C	PROVIDE EMPLOYEE NOISE EXPOSURE DATA TO THE PLANT MEDICAL PERSONNEL
C	W	.	2D	EVALUATE THE AUDIOMETRIC TEST BOOTH
C	W	.	3	PERIODICALLY EVALUATE EXHAUST VENTILATION
C	W	.	4	REPAIR THE EYE WASH FOUNTAINS AT THE ALKY UNIT
C	W	.	5	ROUTINELY VERIFY THAT WARNING SIGNS AND LABELS ARE APPROPRIATE AND LEGIBLE
C	W	.	6	TRAIN EMPLOYEES TO USE THE CHLORINE EMERGENCY KIT B
C	W	.	7	INSTALL AN EYE WASH AT THE CHLORINATOR

01/28/81 EAGLE POINT PLANT A.D. GILLIE

	U	.	7	EVALUATE EMPLOYE EXPOSURE TO BENZENE DURING BARGE LOADING SAMPLE DURING SUMMER MONTHS (FROM JJH)
	A	.	8	EVALUATE EMPLOYE EXPOSURES TO BENZENE AND TOTAL OTHER HYDROCARBONS AT WASTE-WATER TREATMENT PLANT - CONTACT MADE WITH ENGINNER RESPONSIBLE FOR WWTP

WA-TEX 005768

WA-TEX005768

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MASKT LOCATIONS

NOVEMBER 1, 1982 UPDATE

U=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING W=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT

W=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

01/28/81 (FROM JJH) EAGLE POINT PLANT A.D. GILLIE

03/20/81 EAGLE POINT PLANT A.D. GILLIE

A H . 7 ASSIST IN ARRANGING ASSISTANCE FOR EVALUATION OF NOISE CONTROL PROGRAM (FROM JJH)

04/28/82 EAGLE POINT PLANT A.D. GILLIE

A H . 1 ARRANGEMENTS SHOULD BE MADE TO INVESTIGATE ENGINFERING AND/OR ADMINISTRATIVE CONTROL TO REDUCE NOISE LEVELS AT CRUDE UNIT, FCCU, POWER AND LABORATORY

05/26/82 EAGLE POINT PLANT A.D. GILLIE

U . 1 CONDUCT FURTHER MONITORING TO BETTER CHARACTERIZE EMPLOYE EXPOSURES IN WELD SHOP

12/04/80 EL PASO PLANT J.W. NISBET

W 06/15/82 1A UPDATE STANDING INSTRUCTION #13

W 06/15/82 2A SURVEY HIGH NOISE AREAS AND REDEFINE THE EQUAL LOUDNESS CONTOUR LINES

W 06/15/82 2B POST ALL HIGH NOISE AREAS WITH APPROPRIATE CAUTION SIGNS

W 06/15/82 2C EVALUATE THE BACKGROUND NOISE OF THE AUDIOMETRIC TEST BOOTH

03/25/81 EL PASO PLANT J.W. NISBET

A 07/15/81 1 CONDUCT H2S SAMPLING ON OTHER EMPLOYE TITLES AS REQUIRED IN INITIAL AND ROUTINE MONITORING

A 06/15/82 7 PLANT - MOVE FCCU SHACK OR INSTALL NOISE CONTROLS
*TELCOM JAY WALLACE-JWN 2/27/82 SOUND INSULATION IN STOCK
*TELCOM JAY WALLACE-JWN 6/16/82 INSULATION HAS NOT BEEN INSTALLED, WORK ORDER HAS BEEN WRITTEN

WA-TEX 005769

WA-TEX005769

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
RMSXT LOCATIONS

NOVEMBER 1, 1982 UPDATE

I=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING M=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT

I=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

		08/25/80		LAWRENCEVILLE PLANT	G.A. MAULDIN
	X	10/21/82	1	ADDITIONAL SAMPLING FOR WELDING FUMES WITHIN A CONFINED SPACE **9/2/82 PROCEDURE DONE ONLY ONCE A YEAR, OUTDOORS, ASBESTOS BULK ANALYSIS EXTREMELY LOW-FURTHER **EXTREMELY LOW-FURTHER SAMPLING NOT NEEDED AT THIS TIME	
		05/13/81		LAWRENCEVILLE PLANT	H.K. FINE
	U		3	RESAMPLE PAINTER WHILE FAN IS USED	
		08/10/81		LAWRENCEVILLE PLANT	H.K. FINE
X	A	11/15/81	1	PERFORM ADDITIONAL LONG-TERM PERSONNEL SAMPLING ON THE NEXT TWO OCCASIONS WHEN DOCTOR SOLUTION IS MADE	
X	A	11/15/81	2	THE EMPLOYE SHOULD WEAR AN APPROVED HALF MASK RESPIRATOR WITH HIGH EFFICIENCY FILTERS DURING ALL ASPECTS OF LITHARGE HANDLING, INCLUDING CLEANUP	
X	A	11/15/81	3	PREPARE THE DOCTOR SOLUTION IN A LAB FUME HOOD WITH A MINIMUM FACE VELOCITY OF 100 LINEAR FPM	
X	A	11/15/81	4	USE A LAB COAT IN ADDITION TO THE GLOVES AND EYE PROTECTION PRESENTLY USED. LAUNDERING AND CLEANING THIS EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE COMPANY (AS FOR TEL TANK CLEANING)	
X	A	11/15/81	5	AVOID CREATING ANY DUST THAT WOULD HAVE TO BE SUBSEQUENTLY CLEANED UP	
X	A	11/15/81	6	IF DUST IS CREATED ON THE FLOOR, ETC, AVOID CREATING FURTHER AIRBORNE DUST DURING THE CLEANUP OF THE WORK AREA BY USE OF A VACUUM CLEANER FITTED WITH HIGH EFFICIENCY FILTERS, OR WASHING THE DUST INTO THE PROCESS SEWER	
X	A	11/15/81	7	ON THE NEXT TWO OCCASIONS WHEN DOCTOR SOLUTION IS MADE, COLLECT SHORT-TERM EMPLOYE BREATHING ZONE SAMPLES DURING WORK TIME A)IN THE HOOD, AND B)CLEANING UP	
C	A	11/15/81	8	CONSIDERATION SHOULD BE GIVEN TO COMPLETELY ELIMINATE THE ENTIRE OPERATION AND PURCHASE DOCTOR SOLUTION FROM A	

WA-TEX 005770

WA-TEX005770

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MMSRT LOCATIONS

NOVEMBER 1, 1982 UPDATE

J=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

:=ACTION COMPLETED DURING OCTOBER-SEE COMMENT - X=ITEM CLOSED-SEE COMMENT

J=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

08/10/81 LAWRENCEVILLE PLANT H.K. FINE
VENDOR

09/16/81 LAWRENCEVILLE PLANT G.A. MAULDIN

X 10/21/82 1 FURTHER SAMPLING TO DOCUMENT ASBESTOS EXPOSURES TO CARPENTERS ENGAGED IN TRANSITE CUTTING
**9/2/82 PROCEDURE DONE ONLY ONCE A YEAR, OUTDOORS, ASBESTOS BULK ANALYSIS EXTREMELY LOW-FURTHER
**EXTREMELY LOW-FURTHER SAMPLING NOT NEEDED AT THIS TIME

09/15/82 LAWRENCEVILLE PLANT H.K. FINE

U . 1A GET RID OF CANISTER GAS MASK IN SI 79

U . 1B CLEAN AIRLINE STORAGE CABINET & PREVENT DAMAGE TO REGULATORS & FACEPIECES

U . 1C LABEL HELPER SHACK AS CONTAINING SCBA

U . 1D ENSURE SI & STANDING ORDERS ARE FOLLOWED RE:WEARING BREATHING EQUIPMENT DURING OPERATIONS

U . 2A POST EMERGENCY ALARM PROCEDURE IN CONTROL ROOM

U . 2B WRITE CONTINGENCY PLAN OF WHO TO CALL & WHEN IN CASE OF AN EMERGENCY

U . 2C WRITE EMERGENCY PREPAREDNESS PLAN FOR AN H2S EMERGENCY

U . 2D ENSURE HOSPITAL & AMBULANCE KNOW HOW TO TREAT H2S EXPOSURE

U . 3A EVALUATE NEED FOR PORTABLE H2S MONITOR FOR MAINTENANCE ACTIVITY

U . 3B TRAIN HOW TO USE GRAGER EQUIPMENT

U . 4A POST PUMP ROWS AS NOISE AREAS

U . 4B ENSURE HEARING PROTECTION IN WORN IN POSTED AREAS

U . 5A PERFORM ADDITIONAL TRAINING FOR H2S & SO2

U . 5B HAVE EH & SD PERSON ATTEND IH H2S COURSE

U . 6A REVISE THERMAL BOOK #2 SECTION 3.1.L

U . 7A ENSURE GOGGLES ARE WORN WHEN WORKING WITH SULFUR

WA-TEX 005771

WA-TEX005771

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MASSET LOCATIONS

NOVEMBER 1, 1982 UPDATE

I=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED
C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT
W=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

09/15/82 · LAWRENCEVILLE PLANT · H.K. FINE

U . 7B INCLUDE TEST FOR O2 IN THERMAL BOOK #2 SECTION 9.7.K

U . 7C ENSURE SAFETY SHOWERS ARE CHECKED ON EACH SHIFT. EVAL NEED FOR SHOWER MOVED AT CAUSTIC UNLOADING ENPOLY. ADJ. MEXOX EYEWASH

09/22/82 · LAWRENCEVILLE PLANT · H.K. FINE

U . 1 DETERMINE CAUSE OF OPERATOR HELPER ELEVATED EXPOSURES

U . 2 CONDUCT ADDITIONAL DOSIMETRY ONCE CONTROLS OR WORK PROCEDURES(ARE CHANGED)

06/23/80 · LOUISIANA PLANT · J.J. HINTON

A 12/15/81 4 INSTALL NEW LABORATORY VENTILATION SYSTEM

09/30/82 · LOUISIANA PLANT · J.J. HINTON

U . 1 WRITTEN PROCEDURE ESTABLISHED FOR RESPONDING TO H2S ALARMS

U . 2 INSTALL ROTATING BEACONS AR EACH H2S SENSOR LOCATION

U . 3 PERFORM ADDITIONAL MONITORING FOR SO2

10/22/82 · LOUISIANA PLANT · J.J. HINTON

U . 1 INFORM EMPLOYES OF MONITORING RESULTS (THC, BENZENE & H2S 12-08 THRU 12-16-81)

03/25/81 · LOS ANGELES PLANT · J.D. WATTS

A W 06/26/81 2 IMPLEMENT IH SAMPLING PLAN
**CONTACT MADE, ACTION TAKEN 06/26/81

C W 06/26/81 7 RE-EVALUATE & ENSURE CONFORMANCE TO TEXACO HEARING CONSERVATION GUIDELINES

WA-TEX 005772

WA-TEX005772

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MMS&T LOCATIONS

NOVEMBER 1, 1982 UPDATE

U=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT

W=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

03/25/81 LOS ANGELES PLANT J.D. WATTS
**CONTACT MADE, ACTION TAKEN 06/26/81

06/01/82 LOS ANGELES PLANT J.D. WATTS

A U . 1 SAMPLE OTHER CRAFT JOBS TO DETERMINE NOISE EXPOSURE IN SHOP

C U . 2 ADVISE EMPLOYES TO WEAR EAR PROTECTION WHEN NOISE LEVELS ARE EXPECTED TO EXCEED 90 DBA DURING CERTAIN SHOP TASKS

07/21/82 LOS ANGELES PLANT J.D. WATTS

C W . 1 WRITE A RESPIRATOR SOP FOR THE SRP, REMOVE CANISTER GAS MASKS, REVIEW INSTRUCTION ON USE OF AIR CAPSULES

C W . 2 POST SRP EMERGENCY ALARM PROCEDURE, PREPARE A WRITTEN CONTINGENCY PLAN FOR EMERGENCIES

A W . 3 REPAIR LAB HOOD IN SRP CONTROL ROOM, RELOCATE HOOD

C W . 4 REVIEW USE OF H2S PERSONAL MONITORS, CALIBRATE AND LOG H2S MONITORS

C W . 5 POST SRP NOISE AREAS IN EXCESS OF 90 DBA, CONTINUE TO FOLLOW AUDIOMETRIC TESTING GUIDELINE

C W . 6 CONTINUE TO TRAIN SRP EMPLOYES ON HAZARDS OF H2S AND SO2 RESPIRATORY PROTECTION, ETC.

12/15/80 PUGET SOUND PLANT J.D. WATTS

C W . 1A WRITE A SOP

C W . 1B SELECT RESPIRATOR AND IDENTIFY IN SOP

C W . 1C CONTINUE MAINTENANCE & INSPECTION

C W . 1D CONTINUE EMPLOYE TRAINING

C W . 1E USE ONLY APPROVED RESPIRATORS

C W . 1F VERIFY GRADE D BREATHING AIR

C W . 1G VERIFY CO AND HIGH TEMPERATURE ALARMS ON AIR COMPRESSORS

WA-TEX 005773

WA-TEX005773

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MMS&T LOCATIONS

NOVEMBER 1, 1982 UPDATE

J=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED
C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT
W=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

12/15/80 PUGET SOUND PLANT J.D. WATTS

C W . 1H CHARGE SCBAS TO RECOMMEND PSIG
A W . 2 IMPLEMENT IH SAMPLING PLAN
C W . 3 SCHEDULE IH SURVEILLANCE COURSE
W . 4 RESTRUCTURE MEDICAL SURVEILLANCE FOR ASBESTOS WORKERS
C W . 6A NURSE ATTEND REFRESHER COURSE ON AUDIOMETRIC TESTING
C W . 6B CONDUCT NOISE DOSIMETRY
C W . 6C VERIFY ACCEPTABLE BACKGROUND LEVELS IN AUDIOMETRIC BOOTH
C W . 6D POWER DEPT SHOULD REEVALUATE NOISE AREAS
W . 8 INSURE COMPLIANCE WITH INORGANIC LEAD STANDARD

08/27/81 PUGET SOUND PLANT J.W. NISBET

A 10/19/82 3 EVALUATE LOCAL EXHAUST VENTILATION SYSTEM TO DETERMINE EFFECTIVENESS
**07/18/82 WELD SHOP LOCAL EXHAUST VENTS FOR MIG/TIG AREA HAS BEEN INSTALLED, WELDERS REQUIRED **TO USE LOCAL EXHAUST IN STICK WELDING AREA
**07/15/82 W.A. ROSENBERG FOLLOWUP WELDING SURVEY TO BE CONDUCTED WINTER 82
**WELDING SURVEY CONDUCTED TO DETERMINE EFFECTIVENESS OF VENT SYSTEM REPORT TO BE WRITTEN

05/06/82 PUGET SOUND PLANT J.D. WATTS

C U . 1 RECOMMEND THAT BOTTLEWASHER WEARS GLOVE AND EYE PROTECTION DURING THE DUMPING OF SULFURIC ACID SAMPLES

03/20/81 BAYONNE TERMINAL A.D. GILLIE

X X . 1 MEET WITH DAVE ROACH (DEP) FOR POLLUTION CHARACTERIZATION STUDY-INITIAL MEETING HELD (FROM JJH)
X A 10/15/81 6 EVALUATE EMPLOYE EXPOSURE TO METALLIZER (FROM JJH)

WA-TEX 005774
WA-TEX005774

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MMS&T LOCATIONS

NOVEMBER 1, 1982 UPDATE

J=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED
C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT -
N=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

07/06/81 , BAYONNE, TERMINAL A.D. GILLIE

	W	10/15/81	01	WORK WITH JIM STACKHOUSE ON REDUCING NOISE LEVELS ON CANNING LINE PER R.R. MCC'S APPROVAL
X	W		. 02	REPLACE EYEWASH BOTTLES WITH EYEWASH STATIONS
	W		. 04	INVESTIGATE SUBSTITUTE FOR DULCITE FLOOR CLEANER
C	W		. 05	EMPLOYES TO WEAR GLOVES DURING BUCKET FILLING OF CRATER OIL
X	W		. 06	REVIEW AND MONITOR 1,1,1-TRICHLOROETHANE ADDING TO CRATER OIL
C	W		. 07	CHANGES ON LAB HOODS
X	W		. 09	EMPLOYE TRAINING ON HANDLING PRECAUTIONS
X	W	10/15/81	10	WORK WITH TOXICOLOTY ON LOSS OF HAIR AND NAUSEA INVEST.
C	W		. 11	REVIEW MSDS AND MAKE RECOMMENDATIONS CONCERNING (1) HITEC 9191 (2)ELCO 320 (3)ETHYL ANTIOXIDANT 701 (4)CAPRYLIC ACID
C	W	10/15/81	12	ASBESTOS REMOVAL IN BOILER HOUSE AND PUMP HOUSE
X	W		. 14	PROTECTIVE EQUIPMENT SHOULD BE ISSUED AND WORN
C	W		. 15	BLENDING AREA
C	W		. 16	DRUM HANDLING SHOULD BE REVIEWED
C	W		. 17	CLEAN-UP AREA AROUND ADDITIVE RAILCAR OFF-LOADING
X	W		. 18	CLEAN-UP LADIES LOCKER ROOM
C	W		. 19	GENERAL RECOMMENDATIONS FOR BUILDING 39
C	W		. 20	CRYSTALLINE ADDITIVES TO BE TRANSPORTED IN CLOSED PAILS

WA-TEX 005775

WA-TEX005775

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MMS&T LOCATIONS

NOVEMBER 1, 1982 UPDATE

U=RECENT ROUTINE RECOMMENDATION, FOLLOWUP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT

W=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

	07/06/81	BAYONNE TERMINAL	A.D. GILLIE	
C	W	.21	INVESTIGATE AIRBORNE CONCENTRATIONS IN BUILDING 4 AND DRUM STORAGE AREA	
C	W	.22	STEAM AND HOT WATER LEAKS IN BOILER HOUSE	
C	W	.23	KETTLE SAMPLE COLLECTION	
	05/04/82	BAYONNE TERMINAL	A.D. GILLIE	
U	W	.1	CAN AND DRUM/PAIL LINE EMPLOYES SHOULD BE REMONITORED TO FURTHER EVALUATE EMPLOYE EXPOSURE TO NOISE	
U	W	.2	THE IHU SHOULD BE CONTACTED TO ARRANGE ENGINEERING CONTROL INVESTIGATION TO REDUCE NOISE LEVELS	

WA-TEX 005776

WA-TEX005776

INDUSTRIAL HYGIENE FOLLOW-UP RECOMMENDATIONS
MMS&T LOCATIONS

NOVEMBER 1, 1982 UPDATE

U=RECENT ROUTINE RECOMMENDATION, FOLLOW-UP PENDING N=RECOMMENDATION UNDER CONSIDERATION A=STATUS REPORT, ACTION INITIATED

C=ACTION COMPLETED DURING OCTOBER-SEE COMMENT X=ITEM CLOSED-SEE COMMENT

W=RECENT WALKTHROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

EXTENDED GLOSSARY OF TERMS

W=RECENT WALK-THROUGH SURVEY RECOMMENDATION OR SPECIAL PROJECT RECOMMENDATION, STATUS PENDING

A RECOMMENDATION HAS BEEN MADE FOLLOWING A WALK-THROUGH SURVEY OR SPECIAL PROJECT BY THE INDUSTRIAL HYGIENE UNIT. THE OPERATING DEPARTMENT HAS RESPONSIBILITY FOR FOLLOW-UP ON THE RECOMMENDATION AND WILL PERIODICALLY NOTIFY THE INDUSTRIAL HYGIENE UNIT - HOUSTON OF RECOMMENDATION STATUS. IN THE CASE OF TEXACO USA - MMS&T, ALL FOLLOW-UP CORRESPONDENCE WILL BE HANDLED BY MMS&T HEADQUARTERS - HOUSTON.

U=RECENT ROUTINE RECOMMENDATION, FOLLOW-UP PENDING

A RECOMMENDATION HAS BEEN MADE IN A ROUTINE INDUSTRIAL HYGIENE REPORT AND FOLLOW-UP THROUGH THE ESTABLISHED MANAGEMENT STRUCTURE HAS NOT BEEN COMPLETED. FOR TEXACO USA - MMS&T, ALL FOLLOW-UP CORRESPONDENCE WILL BE HANDLED BY MMS&T HEADQUARTERS - HOUSTON.

N=RECOMMENDATION UNDER CONSIDERATION

THE RESD INDUSTRIAL HYGIENE UNIT - HOUSTON IS CONSULTING WITH THE OPERATING DEPARTMENT MANAGEMENT ABOUT FORMULATING A RECOMMENDATION. THE OBJECT OF THIS CONSULTATION IS TO DETERMINE THE NEED FOR A RECOMMENDATION AND TO DEVELOP FEASIBLE RECOMMENDATIONS TO ACHIEVE HEALTH AND SAFETY BENEFITS IN CASES WITHOUT GOVERNMENT OR GENERALLY ACCEPTED INDUSTRY STANDARDS.

A=STATUS REPORT, ACTION INITIATED

THE OPERATING DEPARTMENT HAS BEGUN ACTION ON A RECOMMENDATION.

C=ACTION COMPLETED, SEE COMMENT

THE COMMENT WILL REFERENCE COMMUNICATION THAT VERIFIES ACTION ON THE RECOMMENDATION. IN THE CASE OF TEXACO USA - MMS&T, MMS&T HEADQUARTERS - HOUSTON WILL PROVIDE THE INDUSTRIAL HYGIENE UNIT - HOUSTON WITH THE COMMUNICATION REFERENCE.

X=RECOMMENDATION CLOSED, SEE COMMENT

THE COMMENT WILL EXPLAIN WHY ACTION WAS NOT TAKEN OR COMPLETED ON A RECOMMENDATION, REFERENCING CORRESPONDENCE AND INDIVIDUALS INVOLVED (E.G., PLANT CLOSING MAKES THE COMPLETION OF RECOMMENDATION UNNECESSARY OR A NEW RECOMMENDATION HAS BEEN WRITTEN AFTER REVIEW TO MEET THE HEALTH AND SAFETY OBJECTIVE OR CHANGED CIRCUMSTANCES).

WA-TEX005777