

AK80-09

W'S

INDUSTRIAL HYGIENE SURVEY
OF
CHINA GULF PLASTICS CORPORATION

August 1976

by

Robert T. Cheng, Ph.D., P. E.

CUSAROSS 00562

19. CGPC's Industrial Hygiene Laboratory should have a larger work area and, most importantly, should be maintained orderly and clean. CGPC should periodically send parallel samples to Gulf's Health Sciences Laboratory for comparative analysis.

20. The Taoyuan Plant is a much healthier workplace compared to the Toufen General Plant. A few suggestions are made to reduce hazards of noise, epoxy, and dusts of lead, barium and cadmium.

21. Four air samples collected from Kaohsiung's TVCM Plant showed workplace VC concentrations ranged from 5 to 21 ppm. This should be reduced by the same "Search and Secure" technique suggested for the Toufen General Plant.

22. Based on odor threshold of ethylene dichloride (EDC), the TVCM Plant workplace EDC concentrations are over 100 ppm at many locations. In the U.S., the exposure standard for EDC will be lowered to 5 ppm, with ceiling restriction at 15 ppm. A conscientious effort should be made at TVCM to reduce EDC emissions from various leaks and from the many intentional release sources such as pressure relief valves and steam blow-down points.

Many thanks to Messrs. W. Shyeh, K. Yü, C. C. Yang, Tsung-Lin Chow, Ed Lu and other members of the Plant management for their courtesies and cooperation. Special thanks to Ed Lu and O. H. Huang for their assistance in carrying out the survey work.



華夏海灣塑膠股份有限公司
China Gulf Plastics Corporation

GENERAL PLANT, NO. 1 HWA-HSIA RD.
TOU-FEN, MIAO-LI TAIWAN 350
REPUBLIC OF CHINA

TEL : 23191
23192
23193
23194

James O. Jackson Ph. D.
Laboratory Director
Health Sciences Laboratory
Medical Department
Gulf Oil Corporation
P. O. Box 3240
Pittsburgh PA 15230
U. S. A.

May 13, 1976

Dear Jim:

From your correspondence of September 4, 1975 (ref: 100 B 3-3) we have found out the gas selector setting of VCM for our OVA-118 B is at 814. However for other organic vapors no informations available at my hand. Would you please contact Mr. Bill Hood, Century, concerning the gas selector setting numbers for OVA-118 B model. Please also Mr. Bill how can we update our OVA-98 B to the status ^{ask} of 118 B and what is the charge.

We are in shortage of the EGC Developing Vials with Teflon lined Septum caps. Would you please ask Mr. Rich Guild, EGC, to give me a quotation of ordering 50 vials by air freight Taipei.

Thank you very much

Sincerely Yours

Edward K. Lu

CUSAROSS 00564

CENTURY SYSTEMS CORPORATION

P O BOX 133 / ARKANSAS CITY, KANSAS 67005
TELEPHONE 316 / 447-3311
TWX 910-740-6740

Mr. C. Y. Peng
Manager, Engineering Dept.
China Gulf Plastics Corp.
P. O. Box 22144
China Gulf Plastics Building
3, Tun Hwa S. Rd.
Taipei, Taiwan, R. O. C.

Dear Mr. Peng:

This letter is a first of many which will be sent to you, periodically, to assist in the application and maintenance of your Century products. Three important maintenance notes have been enclosed for your immediate useage.

Three News Releases are enclosed to give you a sneak preview of Century's new products which will be introduced for the first time at the AIHA Conference in Atlanta, May 18 thru 20, Booth No. 35 and 36.

Portable Air Sampling Pump, CAP-130, an electronically timed positive displacement pump with high accuracy and low cost.

Programmed Thermal Desorber, PTD-132, provides fully automatic desorption and automatic sample injection into a Gas Chromatograph.

Air Sample Collector Tubes, engineered with a sealing flare on one end and with a variety of sorbent packing or blanks for selected filling.

Other new products and accessories include: GC calibrators, GC columns, OVA Sample Dilutor and (on-line) syringe injection fixtures.

Our rep will soon be delivering a note book to you, which includes general catalogs on Century's products, price lists, technical notes, maintenance notes, application notes, calibration procedures, monitoring techniques and information concerning present and proposed regulations. Material will be sent from time to time to keep you updated.

If you are planning to attend the AIHA Conference, we invite you to be our guest at the Century Hospitality Suite, open from 6:00 to 10:00 p.m. Sunday, Monday and Tuesday, Room 901 in the Marriott. You are also invited to attend presentations on the "TOTAL SYSTEMS APPROACH TO VAPOR MONITORING", which Century will be conducting during the conference.

Yours truly,

Victor A. Mattison, Jr.
Victor A. Mattison, Jr.
National Sales Manager

VAM:do
Enclosures
May 3, 1976

CUSAROSS 00565



華夏海灣塑膠股份有限公司
China Gulf Plastics Corporation

GENERAL PLANT, NO. 1 HWA-HSIA RD.
TOU-FEN, MIAO-LI TAIWAN 350
REPUBLIC OF CHINA

TEL: 23191
23192
23193
23194

Att. Victor A. Mattison Jr.
National Sales Manager
Century Systems Corporation
P. O. Box 133
Arkansas City, Kansas 67005
U. S. A.

Date: July 26, 1976

Ref: CGPC-ISEO-004

Dear Mr. Mattison:

Your May 3th letter to Mr. C. Y. Peng -- Manager of Engineering Dept. was transferred to me at the beginning of July. We thank you very much for furnishing us some informations about Portable Air Sampling Pump -- CAP -- 130, Programmed Thermal Desorber, PTD-132, Air Sampling collector tubes & maintenance notes CM-65, CM-66, CM-67.

I have two sets of OVA-model 93 B & model 118 B in my office. Our mainly purpose is to monitor VCM and solvent concentrations at the working areas.

Recently we heard that Century Co. can update OVA-98 B to the Status of 118 B from Gulf Oil Corp. Health Science Laboratory at Pittsburgh. If that is true please let us know the expenses.

Besides please check whether a gas selector setting list available of OVA-118 B for organic vapors other than VCM (setting at 814) and CH₄ (setting at 300). VCM & CH₄ were the only two informations available at my hand.

If you have more detailed catalogs for CAP-130, PTD-132 and sampling collecting tubes please send them to me.

In your letter you mentioned your Rep. will delivering a note book to us, which includes general catalog on Century's Products, price lists, technical notes, maintenance note, application notes, calibration procedures, monitoring techniques etc. I would like you to arrange those informations directly mailing to me at the Plant.

Thank you very much.

Your Truly,

Edward K. L. KU
Manager, Safety & Hygiene
Office, Tou-Fen Factory
China Gulf Plastics Corp.

cc: Mr. C. Y. Peng-Taipei

華夏海灣塑膠股份有限公司頭份總廠
CHINA GULF PLASTICS CORPORATION TOUFEN PLANT

請購單一特殊

PURCHASE REQUISITION-SPECIAL

請購單號碼
PR NO.

採購部啟請採購下列各項目為荷：
Purchasing Department Please Purchase the Items Listed Below:

日期
Date 10/23 1976

PO NO.	Item No.	Code NO.	Description/Specifications	Unit	Qty	DATE REQ'D	FOLLOW-UP REMARKS
--------	----------	----------	----------------------------	------	-----	------------	-------------------

1. Cat No. 226-02-100 Pkg one
Developing Vials with
Teflon lined septum caps
2. Cat No. 225-3-6 six PAK ea. one
Charcoal tube holders
Complete with connecting
tubing

用途 Spare parts for ECC model

Supplier: Environmental

Usage 222-3 personal pump

Compliance Corp. P.O. Box 55
Venetia PA 15367 U.S.A.

批准
Approved by:

☐ 預算內
IN The Budget
☐ 不在預算內
Not In The Budget

註明
Noted by:

核對
Checked by:

請購
Requisitioned by:

TO BE CAR-
RIED

IN STOCK:

☐ 庫存
For Stock

☐ 請購
On Case-to-

Case Basis

日期
Date:

日期
Date:

日期
Date:

日期
Date:

Plant Manager

Accounting Dept

Production Controller

Invy. Control-Sup.

Dept Head Section Chief

填單者

CGPC Form No.003

QUADRUPLICATE-REQUISITIONING DEPARTMENT FILE

華夏海灣塑膠股份有限公司頭份總廠
CHINA GULF PLASTICS CORPORATION TOUFEN PLANT

請購單一特殊

PURCHASE REQUISITION-SPECIAL

請購單號碼
PR NO.

採購部啟請採購下列各項目為荷：
Purchasing Department Please Purchase the Items Listed Below:

日期
Date 10/23 1976

PO NO.	Item No.	Code NO.	Description/Specifications	Unit	Qty	DATE REQ'D	FOLLOW-UP REMARKS
--------	----------	----------	----------------------------	------	-----	------------	-------------------

1. AA Size NICARD
rechargeable battery
for ECC model 222-3
personal pump ds one
dozen
2. Cat. No. 226-01-100 Pkg one
charcoal tubes pkg of
100

用途 Spare parts for ECC model

Supplier: Environmental

Usage 222-3 personal pump

Compliance Corp. P.O.Box 55
Venetia PA. 15367 U. S. A.

批准
Approved by:

☐ 預算內
IN The Budget
☐ 不在預算內
Not In The Budget

註明
Noted by:

核對
Checked by:

請購
Requisitioned by:

TO BE CAR-
RIED

IN STOCK:

☐ 庫存
For Stock

☐ 請購
On Case-to-

Case Basis

日期
Date:

日期
Date:

日期
Date:

日期
Date:

Plant Manager

Accounting Dept

Production Controller

Invy. Control-Sup.

Dept Head Section Chief

填單者

CGPC Form No 003

QUADRUPLICATE-REQUISITIONING DEPARTMENT FILE

華夏海灣塑膠股份有限公司頭份總廠
CHINA GULF PLASTICS CORPORATION TOUFEN PLANT

請購單一特殊

PURCHASE REQUISITION-SPECIAL

請購單號碼
PR NO

日期 10/23 19 76
Date

請購部請購下列各項目為荷：
To: Purchasing Department Please Purchase the Items Listed Below:

PO NO.	Item No.	Code NO.	ITEM Description/Specifications	QUANTITY Unit	DATE REQD	FOLLOW-UP REMARKS
--------	----------	----------	------------------------------------	------------------	--------------	-------------------

1. Battery 12V Ni-Cad, Burgess four

CD 201 ca.

2. Filter Charge (treated carbon) five lb.

3. Tubing, (3/8" PD x 1/16, wall ft. ten 1/4 ID)

4. Optical chamber assembly ass. one complete with U.V. lamp &

two photo cells

Spare parts for J-W model MV-2

Mercury vapor sniffer

Supplier: Bacharach Instrument Co.

625 Alpha Drive RIDC

Industrial park Pittsburgh

PA. 15233 U. S. A.

批准
Approved by:

☐ 預算內
IN The Budget
☐ 不在預算內
Not In The Budget

註明
Noted by:

核對
Checked by:

請購
Requisitioned by:

TO BE CAR-
RIED

IN STOCK

☐ 存
For Stock

☐ 在
On Case-to-

Case Basis

日期
Date:

日期
Date:

日期
Date:

日期
Date:

Plant Manager

Accounting Dept

Production Controller

Invty. Control-Sup

Dept Head Section Chief

請購者

CGPC Form No.003

QUADRUPLICATE REQUISITIONING DEPARTMENT FILE

Tom Mascaro

Calder Durana

(212) 466-2500

11/15/76

CUSAROSS 00568