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FOURTH REPORT
Final Report on Technicians Training

Contract No. 2005/075.



PROJECT No. MP/MEX/04/031

National CFC Phase-out Plan Refrigeration Sector in Mexico-
Technicians Training.

December 7, 2005.

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TECHNICIANS TRAINING FINAL REPORT

ORGANIZED BY:

CONTROL AMBIENTAL PROFESIONAL DEL NORTE, S.A. DE C.V.

JOINTLY WITH:

OZONE PROTECTION UNIT OF THE
SECRETARIAT OF ENVIRONMENT AND NATURAL RESOURCES,

UNITED NATIONS FOR INDUSTRIAL DEVELOPMENT ORGANIZATION

AND

ELECTRICAL ENERGY SAVINGS TRUST

FINANCED BY:

MULTILATERAL FUND FOR THE IMPLEMENTATION OF THE MONTREAL PROTOCOL



Mexico, from October 24th to November 30th, 2005.

December, 2005.

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1.0. EXECUTIVE SUMMARY

The Electrical Energy Savings Finance Programme (Programa de Financiamiento para el Ahorro de la Energía Eléctrica, PFAEE) and the Integral Systematic Savings Programme (Programa de Ahorro Sistemático Integral, ASI), have as their main objective to give financial help to domestic users of the Comisión Federal de Electricidad (CFE), for them to substitute their old refrigeration and air conditioning equipment for new more efficient and electricity consumeless equipment that do not harm the ozone layer.

During these Courses a link was established between the operation of the PFAEE/ASI and the National CFC Phase-out Plan, promoted by the National Ozone Protection Unit (Unidad de Protección a la Capa de Ozono, OPU) of SEMARNAT, in order to achieve two major objectives: a) Energetic saving when a substitution and disposal of old inefficient refrigeration and air conditioning equipments is being made; b) To protect the ozone layer when good practices are applied during CFC recovery and storage that is contained within those equipments, *avoiding their release to the atmosphere.*

Course contents allowed to review many aspects from the environmental point of view to protect the ozone layer, as well as the integration of such Good Practices within the daily operation of Storage Centres.

This effort was complemented with the equipment and tools delivery to each of the Storage Centres for them to perform good practices during CFC recovery, storage and final disposal, likewise equipment and tools demonstration for their correct use and the practices performed by the attendants under the supervision of instructors.

The National CFC Storage Network was created, through fitting out 10 Regional CFC Storage Centres, located in 10 cities all over the country, which will have the responsibility and capacity to receive recovered gas that other Local Storage Centres will send, the one that will be sent to a facility that withholds proper equipment and infrastructure to reclaim or destroy recovered CFC.

Finally, it is worth to mention that with the performance of these Courses of Good Practices for Management, REcovery, Storage and Final Disposal of CFC and Used Lube Oils, the efforts of two institutions that carry out very important projects for our country development were strengthened: Electrical Energy Savings Trust (Fideicomiso para el Ahorro de la Energía Eléctrica, FIDE) and National Ozone Protection Unit (Unidad de Protección a la Capa de Ozono, OPU) of the Secretariat of Environment and Natural Resources (Secretaría del Medio Ambiente y Recursos Naturales, SEMARNAT).

2.0. BACKGROUND.

In Mexico, currently, substitution of domestic low energetic efficiency refrigeration and air conditioning equipment of the Comisión Federal de Electricidad users' is being performed, through the Electrical Energy Savings Finance Programme (Programa de Financiamiento para el Ahorro de la Energía Eléctrica, PFAEE) and the Integral Systematic Savings Programme (Programa de Ahorro Sistemático Integral, ASI). Both Programmes have the goal to substitute around 6 million equipments, which implies the recovery of great quantities of used refrigerant lube oils and of refrigerant gases, mainly CFC-12 and in some cases HFC-134a, contained in refrigerators; and HCFC-22, contained in air conditioning equipment.

Once these equipment have been substituted, they are sent to the Storage Centres, where they are stricken off when the compressor is being destroyed, and the refrigerant gas and used lube oil recovery is performed.

In this sense, the National Ozone Protection Unit (OPU) of SEMARNAT, is now following up the National ODS Refrigerants Elimination Plan, with help of the Multilateral Fund for the Montreal Protocol implementation, through the United Nations Industrial Development Organization (UNIDO). Among the projects that derive from this plan we can find the PFAEE/ASI Storage Centre Technicians Training Project.

To guarantee that the technicians who operate the Storage Centres perform Good Practices in handling, recovery, storage and final disposal of chlorofluorocarbons (CFC's) and used lube oils, FIDE, OPU and UNIDO accorded to deliver 9 training courses to 90 Storage Centres, inviting SEMARNAT, PROFEPA and FIDE/ASI, representatives, in order to update a total of 260 people.

3.0. OBJETIVOS.

To know the importance of the ozone layer, depletion causes, and environmental and human health implications for its depletion.

To inform the Storage Centres of the national legal and normative frame surrounding the activities being performed there.

To know the international response that has been carried out to control and eliminate ozone depleting substances, established by the Vienna Convention and the Montreal Protocol, as well as the commitments that Mexico must accomplish.

To know the efforts made by the countries who have signed the Montreal Protocol to revert the ozone layer damage.

To know the strategies, programmes, projects and rules as part of our country national response to control and eliminate ozone depleting substance consume.

Update the knowledge and practices of the technicians of the FIDE/ASI Programme, for CFC and used lube oil recovery, handling, storage, and final disposal.

To know the technologies available to make proper disposal of recovered refrigerant gases and used lube oil from the equipment that has been substituted.

Equip with adequate equipment and tools to 90 Storage Centers so that they perform good practices during the recovery, storage and handling of refrigerant gases.

4.0. EXPECTED RESULTS.

With the implementation of these training courses, it is expected to obtain the following results:

- ☞ Storage Centres will guarantee electrical energy saving since they will make the correct inhabilitation of inefficient domestic refrigeration and air conditioning equipment, fulfilling their obligations established by the FIDE/ASI Programme.
- ☞ Likewise, Storage Centres will adequate their facilities and procedures to accomplish with rules, regulations and legislation at the federal, state and municipal level.
- ☞ On the other hand, Storage Centres will avoid CFC emissions to the atmosphere applying good practices in handling, recovery, storage, and final disposal of recovered refrigerant gases and used lube oils.
- ☞ From this point, Storage Centres will identify refrigerant gases that will be recovered not to mix and/or contaminate them. Once this has been done, recovered refrigerant gases will be stored adequately, attending applicable rules, as well as Good Practices that will be learned during the courses.
- ☞ With the National CFC Storage Network, Storage Centres will send their recovered refrigerant gases to the Regional CFC Storage Centre, to ease sending of these wastes to final disposal, whether for recycling, regeneration or destruction.
- ☞ By their side, Regional Centres will control recovered gases to send them for its final disposal to a facility with proper infrastructure and equipment for recycling, reclaim or destruction of recovered CFC.
- ☞ Storage Centres will achieve their obligations and they will report to the corresponding instance within the established periods of time, quantifications of the inhabilitated equipment, as well as the amount of recovered refrigerant gas and used lube oils for each of them, using the formats they were handed over.

☞ Supervision and Coordination of the FIDE/ASI Programme, as well as the responsables and technicians of the Storage Centres, will standardize and apply procedures and rules established in the operation instructives of both programmes, incorporating good practices they will learn during the Course.

☞ SEMARNAT and PROFEPA representants will acquire a better knowledge of the activities being developed at Storage Centres and will make recommendations to the participants for them to regularize their documents and facilities to handle properly used oils.

5.0. PARTICIPANTES.

A total of 281 persons were registered that assisted 9 training courses. This number corresponds to 170 assistants of the Storage Centres; 52 FIDE/ASI supervisors, 32 PROFEPA State Delegation Representatives; and 27 SEMARNAT State Delegation Representatives.

On part of the Storage Centers, to whom this course was directed, the academic level that the attendees hold comprises from basic high school to a superior technical level. On the other hand, the FIDE, SEMARNAT, and PROFEPA functionaries, have academic bachelors degrees and/or posgraduate degree.

In Annexe A is presented the Training course's attending list.

For the delivery of the courses, the instructors were the Biol. Edgar Daniel Salmerón Carreño. Eng. Antonio Acho Corona and Ch. Eng. Julio Enrique Reyes Sáenz.

On the other hand, Eng. Martin Salas Martinez and B.D. Agustin Sanchez Guevara, both from the Ozone Protection Unit (OPU), of SEMARNAT, informed the participants of the National Response.

Additionally, Eng. Mauricio Trejo, UNIDO Representative in Mexico, who was responsible of formalizing the delivery of donated equipment, explaining to the Storage Center's people in charge, their obligations according to the clauses of the loan contract.

For the official closure event, we had the presence of special guests such as M.Sc. Ana Maria Contreras Vigil, General Director of SEMARNAT's Air Quality, and Emissions and Contaminant Transference Registry; B.D. José Antonio Urteaga Dufur, FIDE's Programmes Subdirector; Eng. Jose Luis Bastos, Coordinator of the Federal Sea and Ground Zones and Coastal Areas, on behalf of PROFEPA in Veracruz; and B.D. Agustín Sanchez, OPU National Coordinator.

6.0. METHODOLOGY.

This theory/practice course lasted for 10 ½ hours, beginning at 8:30 h, with a welcome message on behalf of the organizers, and concluding at 19:00 h, with the diploma delivery. In Annexe B the Program of the Course is included.

During the theory session, diapositives and three-dimensional animations were used, as well as two videos very applicable to the course.

During the practical session the participants were taught for the appropriate usage of the equipment and tools that were delivered in donation. Likewise, the participants performed their practices with the equipment and tools.

Previous to the end of each course, 30 minutes were dedicated so that the attendees could make comments, questions and suggestions openly, in several subjects related to ozone layer protection and FIDE/ASI Programme's Operation. FIDE/ASI, SEMARNAT and PROFEPA gave answers to doubts and questions of the participants and made recommendations for their Storage Centres operate according to stablished procedures and normativity. Finalizing, participation constancies were delivered and the group photo was taken with all the attendees.

In the city of Veracruz, the last training course was performed and in this city, the official course closure ceremony was held. During the closure distinguished functionaries of SEMARNAT, PROFEPA, FIDE and UNIDO were present.

In Annexe C, representative pictures of each of the Courses are attached, likewise some of the official closure event.

7.0. CONTENTS.

During the Course, after leveling the knowledge of the attendees, one of the main objectives was the sensibilization, as for adequate handling of CFC and the environmental implications that are entailed from improper use of these substances.

In this sense, the manner in which the course program was structured, allowed to revise the concept of the ozone layer, up to the recommendations for Good Practices for CFC recovery. For such purpose, slides were useful to present the content of the Course Manual, in a summarized and more visual manner to facilitate comprehension and take advantage of the time in practice as much as possible.

In first place, before initiating the course we spoke about the Life Cycle that products we use on a daily basis have, highlighting that in the phases of this cycle diverse environmental impacts are caused and diverse types of residues. The Course focused mainly on the last two phases, which are Use and Disposal.

As far as usage, referred to low energy-efficiency equipment, it was boarded in a general manner what FIDE is, as well as the programmes that it promotes for saving electric energy, amongst we can find the PFAEE/ASI. On this regard, operation requisites of Storage Centres were mentioned and the importance of the creation of these programmes.

On this first point the participants were asked if they knew the environmental problematic that wrong CFC and used lube oils handling implied, and if they knew the answer that had been generated at international level. With this, the Course Objectives were discussed, where delivery of the equipment on behalf of OPU and UNIDO was highlighted.

Following, we talked about the Ozone Layer, its importance and the causes of its depletion. In this theme, animations and illustrations were used with the finality to make more comprehensible the fact of how CFC are responsible of the ozone layer depletion. The ozone layer hole phenomenon was highlighted at the north pole as well as at south pole, likewise the consequences that brings increase of UV-B radiation pass.

To complement this theme, the video "The Ozone Layer in an Essay Tube" was used, which has a duration of 9 min. 58 sec., produced by FONDOIN and the University of Los Andes of Venezuela, provided by OPU. In this Final Report, a CD with this video is included.

Afterwards, the International Response theme, which has generated upon the discovery of the ozone layer depletion, was treated. In this chapter, Mexico's commitments with the international community through the Montreal Protocol were revised, and the role of the Multilateral Fund for the implementation of elimination measures of ODS was mentioned.

The theme of National Response was presented by B.D. Agustin Sanchez, National Coordinator of OPU, and Eng. Martin Salas Martinez, National OPU Refrigerants Plan Coordinator, who highlighted the importance of the support received on behalf of the Multilateral Fund, through UNIDO, as well as commitments upheld and the advancement in complying with ODS elimination. Closing their participation with the projection of a video titled "The Ozone Layer", produced by SEMARNAT, where it is achieved that the attendees identify the importance of their actions for the compliance of Mexico's Commitments. In the present report, a copy of this video is included.

The revision of the Judicial Normative Frame, allowed commenting on the aspects that all attendees should contemplate, mainly the Storage Centres, as far as handling hazardous wastes, as in the case of used lube oil. Here the proceedings and documents that should be compiled and the obligation derived from their activity were revised.

The following theme dealt with Good Practices that are applicable to the activities performed at Storage Centres, where we went on about the precautions that should be taken in consideration while handling, recovering, storing and final disposal of the CFC and used lube oils.

Finally, the first part of the Course concluded with the integration of Good Practices in the operational procedures of the Storage Centres, involving administrative aspects they should not forget because of being a fundamental aspect for their operation.

During the practical session, the participants were taught the adequate usage of the equipment and tools that were delivered on behalf of UNIDO. Concluding this, the attendees were invited to perform the recovery of refrigerant gas under the supervision of the instructors.

Back in the training room, the attendees were invited to manifest their doubts, questions or suggestions, related to what was seen in the course, and a resume of lessons learned was made. Regarding what could not be revised because it was not one of the objectives of the Course, it was requested that the attendees wrote their questions, suggestions or comments, in the formats that were handed to them for these purposes, with the finality to make the reach the corresponding instance.

8.0. RESULTS, RECOMMENDATIONS AND CONCLUSIONS.

A. RESULTS.

With the themes revised during the Course, all Storage Centres reaffirmed their role to serve two initiatives, in benefit of society and environment. First of all, to promote electrical energy saving by guarantee of inhabilitation of low energy efficient equipment, watching that equipments that are received comply with characteristics established by PFAEE/ASI.

Secondly, to practice ODS refrigerant gases recovery, using basic equipment that UNIDO donated, for which they avoid that CFC contained in substituted equipment are released to the atmosphere. With it, they contribute to stratospheric ozone concentrations may recover sooner and major UV-B exposure-risks are reduced.

All attendees knew the international response being generated, and the strategies and programmes that Mexico has carried out to comply with the acquired commitments from signature of Montreal Protocol.

With the presence of State Delegations' representatives of SEMARNAT and PROFEPA, Storage Centres could resolve their questions as for the requisites they must comply with for used lube oil handling and storage, considered as a hazardous waste in mexican legislation and normative. Likewise, they had the chance to meet these employees, whom they will turn to in case of specific doubts of their Storage Centres.

90 Storage Centres were equipped, which received the basic necessary equipment for an efficient operation for recovery and storage of refrigerant gases. All of them were explained of their obligations as favoured from this donation and they were highlighted in care they must have with tools and equipment received.

With the effort made with these Courses, Storage Centres will recover refrigerant gases applying Good Practices learned, in order to them be co-processed afterwards or, if is the case, to be sent for destruction.

For that purpose, Storage Centres were informed as for what they must comply with to promote reclaiming/recycling of recovered refrigerant gases, highlighting the importance of acquiring some gas analyzer/identifier, to prevent mixtures and/or gas contamination.

On the other hand, National CFC Storage Network was created with 10 Regional Centres, which were favoured with two 350 kg containers, as well as an electronic gas analyzer/identifier, and two additional sets of service manifold.

Respect this, Regional CFC Storage Centres have the capacity to receive recovered gas from any of local Storage Centres, and will send it to final disposal, whether if destruction or coprocessing. In both cases, they must assure it will be with a company that owns adequate technology and infrastructure for it.

Suggestions/comments/questions sheets were processed and we list the most frequent in Annexe D.

B. RECOMMENDATIONS.

All Storage Centres must pay attention on the requirements for recovery, storing and final disposal of refrigerant gases and, based on their needs, they must acquire adequate equipment and tools for it.

Likewise, Storage Centres must apply Good Practices on their diary jobs. On the other hand, they must consider environmental implications involved in dismantling of received equipments.

C. CONCLUSIONS.

As mentioned above, from the mexican legislation and normative point of view, Storage Centres are responsables of adequate handling of generated wastes, like recoverd refrigerant gases. Doing it in the wrong way, compromiso them from the judicial point of view, with administrative and/or penal punishments. For such reason, all the ones who are dedicated to this activity, have an obligation to look for the solution of final disposal of these gases, which must be approved by OPU.

Recovery, storage and final disposal of refrigerant gases activity, is an environmental service that, as might have been confirmed by the attendees, requires a minimum of necessary equipment as prepared and actualizad personnel. These requirements imply operational costs to Storage Centres, for which FIDE Programme Coordinations, must revise the quotes being payed, not to compromise their functionality.

Otherwise, it is necessary for FIDE/ASI Supervisions as for SEMARNAT and PROFEPA, to work closer to Storage Centres to guarantee they comply with obligations implied from their activity.

Finally, it is worth to highlight that with realisation of this national training journey, the begining of interinstitutional cooperation was achieved, which is very important for progress of our country. This link was possible, thanks to the will of all the involved and the intervention of such a trascendental institution for this purpose, like UNIDO.

9.0. FOLLOWING PLAN.

All Storage Centres, Regional or Local, will be verified periodically by ONUDI, to confirm proper use of tools and equipment they received by loan. One year after, counting from delivery, tools and quipment will become automatically property of Storage Centres to whom they were delivered.

10.0. CONSULTANCY REFERENCES:

- Programa de las Naciones Unidas para el Medio Ambiente. 1994. Buenos procedimientos en refrigeración. Manual de instrucción. PNUMA IMA. Francia
- Programa de las Naciones Unidas para el Medio Ambiente. 1999. Directrices para los sistemas de recuperación y reciclaje. PNUMA IMA. Francia.
- Programa de las Naciones Unidas para el Medio Ambiente. 2001. Capacitación Nacional en Buenas Prácticas en Refrigeración. Una guía de apoyo para las UNO. PNUMA IMA. Francia.
- Programa de las Naciones Unidas para el Medio Ambiente. 1998. Guía para la aplicación de los códigos de buenos procedimientos: Sector Refrigeración. PNUMA IMA. Francia.
- Programa de las Naciones Unidas para el Medio Ambiente. 2001. Manual de Capacitación de Oficiales de Aduana. PNUMA IMA. Francia.
- Programa de las Naciones Unidas para el Medio Ambiente. 2003. Manual de los Tratados Internacionales para la Protección de la Capa de Ozono. 6ª ed. PNUMA. Francia.
- Coopers & Lybrand, *et al.*, 1990. CFC's and halons alternatives and the scope for recovery for recycling and destruction. United Kingdom.
- Hester, R.E. ed. 2000. Causes and environmental implications of increased UV-B radiation. The Royal Society of Chemistry. United Kingdom.
- Dossat, R.J. 1963. Principios de Refrigeración. CECOSA. México.
- Cooper & Williams, B. 1989. Commercial, Industrial, Institutional Refrigeration Design, Installation and Trouble Shooting. Prentice Hall. U.S.A.
- Gosling, C.T. 2005. Applied Air Conditioning and Refrigeration. Ed. Pergamon. U.S.A.
- Stoecker, WF & JW Jones. 1982. Refrigeration and Air Conditioning. 2a ed. McGraw-Hill Book Co. U.S.A.

Internet web pages:

- ☞ Secretaría del Medio Ambiente y Recursos Naturales, Unidad de Protección a la Capa de Ozono (www.semarnat.gob.mx/dgca.html)
 - ☞ United Nations Environmental Programme, Technology, Industry and Economy Division (www.uneptie.org)
 - ☞ Programa de las Naciones Unidas para el Medio Ambiente (www.pnuma.org)
 - ☞ United Nations for Industrial Development Organisation (www.unido.org)
 - ☞ NASA-Ozone Watch (<http://ozonewatch.gsfc.nasa.gov/index.html>)
- Dra. Cristina Cortinas de Nava (www.cristinacortinas.com)
- ☞ Echarri, L. 2004. Libro electrónico de Ciencias de la Tierra y del Medio Ambiente (www.tecnun.es/Asignaturas/Ecologia/Hipertexto/indice.html)

ANNEXE A

**CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
 STORAGE CENTRES AND PERSONNEL LIST
 FOR THE COURSE IN GUADALAJARA, JALISCO
 ON OCTOBER 24, 2005.**

No.	CITY	NAME	INSTITUTION
1	URUAPAN	ALVAREZ FRANCISCO JAVIER	CENTRO DE ACOPIO
2	COLIMA	AMABLE SANTIAGO MARCO ANTONIO	CENTRO DE ACOPIO
3	JALISCO	BARRAGAN B. JAIME	CENTRO DE ACOPIO
4	JALISCO	CALDERON CHAVEZ LUIS MANUEL	CENTRO DE ACOPIO
5	COLIMA	CASTANEDA RODRIGUEZ JOSE	CENTRO DE ACOPIO
6	JALISCO	CASTILLO SERAFIN HECTOR	CENTRO DE ACOPIO
7	JALISCO	CENICEROS DE AVILA MIGUEL ANGEL	CENTRO DE ACOPIO
8	NAYARIT	DELGADILLO AGUIAR CESAR	CENTRO DE ACOPIO
9	JALISCO	DELGADO HERNANDEZ JOSE ROBERTO	CENTRO DE ACOPIO
10	COLIMA	ESTRADA VALENCIA ANTONIO	SEMARNAT
11	JALISCO	FLORES GALLARDO ALBERTO	CENTRO DE ACOPIO
12	URUAPAN	GARCIA PARRA MIGUEL WILFRIDO	FIDE
13	JALISCO	GAYTAN SANDOVAL MARTIN ALVARO	SEMARNAT
14	MORELIA	HERNANDEZ ESTRELLA ALEJANDRO	FIDE
15	JALISCO	HERNANDEZ GUZMAN ERIC	FIDE
16	PTO. VALLARTA	HERNANDEZ VENEGAS FABRICIO	CENTRO DE ACOPIO
17	URUAPAN	JUAREZ BEGUERISSE AARON	CENTRO DE ACOPIO
18	MORELIA	MALDONADO ALVAREZ CARLOS FRANCISCO	CENTRO DE ACOPIO
19	MORELIA	MALDONADO ALVAREZ MARIO ALBERTO	CENTRO DE ACOPIO
20	RIO VERDE	MARTINEZ FLORES JOSE ALEJANDRO	CENTRO DE ACOPIO
21	RIO VERDE	MARTINEZ VENTURA TERESO	CENTRO DE ACOPIO
22	JALISCO	MONTELONGO CASANOVA HECTOR	PROFEPA
23	Cd. VALLES	NAVARRO MANZANO ALBERTO	CENTRO DE ACOPIO
24	URUAPAN	PINTOR GUARDIN JORGE	CENTRO DE ACOPIO
25	JALISCO	QUINTERO COVARRUBIAS JESUS	CENTRO DE ACOPIO
26	URUAPAN	QUINTERO SANCHEZ FELICIANO	CENTRO DE ACOPIO
27	PTO. VALLARTA	RAMIREZ TORRES LAZLO AXEL	FIDE
28	S. LUIS POTOSI	RIVERA SIERRA ARMANDO	CENTRO DE ACOPIO
29	S. LUIS POTOSI	RODRIGUEZ RIVERA HERIBERTO	CENTRO DE ACOPIO
30	COLIMA	ROLON LLAMAS REBECA	PROFEPA
31	NAYARIT	RUIZ RIOS BRAULIO	CENTRO DE ACOPIO
32	JALISCO	SAHAGUN RUIZ JOAQUIN	CENTRO DE ACOPIO
33	Cd. VALLES	SANCHEZ CARRILLO MARTIN	CENTRO DE ACOPIO
34	JALISCO	SOTO CASTANEDA MARIA TERESA	PROFEPA
35	JALISCO	TENORIO CRUZ ANTONIO	CENTRO DE ACOPIO
36	PTO. VALLARTA	VACA TORRES FELIPE	CENTRO DE ACOPIO
37	JALISCO	VALERA PEREZ SAUL	CENTRO DE ACOPIO
38	ZAMORA	VAZQUEZ RUIZ LUIS FERNANDO	CENTRO DE ACOPIO
39	ZAMORA	VAZQUEZ SANCHEZ ARTURO	CENTRO DE ACOPIO
40	NAYARIT	VELAZCO PEREZ MYRIAM G.	SEMARNAT
41	MICHOACAN	VERA AMAYA JAIME	SEMARNAT
42	JALISCO	VICENCIO LOPEZ KARLA LILIANA	PROFEPA
43	MICHOACAN	VILLASENOR GOMEZ ARTURO E.	PROFEPA

CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
STORAGE CENTRES AND PERSONNEL LIST
FOR THE COURSE IN LEÓN, GUANAJUATO
ON OCTOBER 27, 2005.

No.	CITY	NAME	INSTITUTION
1	AGUASCALIENTES	AGUIRRE MUNOZ ARTURO	FRIO FAST
2	CELAYA	CACIQUE TORRES FRANCISCO RAMON	FIDE
3	LEON	CAMARILLO MIGUEL REFUGIO	PROFEPA
4	LEON	CERRO VELAZQUEZ JOSE HUMBERTO	CONTROL AMBIENTAL PROFESIONAL
5	QUERETARO	CORTES ABERTO	CERSA
6	CELAYA	DOURAN RIVERA JOSE MIGUEL ANGEL	CONTROL AMBIENTAL PROFESIONAL
7	ZACATECAS	GALVAN MENDIETA ERASMO JOEL	ZACATECAS
8	AGUASCALIENTES	GARCIA MARTINEZ GERARDO	FRIO FAST
9	DF	GARCIA PEREZ MARTIN	COMITÉ ORGANIZADOR
9	QUERETARO	GONZALEZ SALOMÓN ALFREDO	SERVIFRIO
10	QUERETARO	GONZALEZ SALOMÓN JORGE FRANCISCO	SERVIFRIO
11	SAN LUIS POTOSI	GUEVARA COLORES CARLOS FRANCISCO	GUEVARA
12	AGUASCALIENTES	GUTIERREZ DIAZ JUAN PABLO	FRISAN
13	ZACATECAS	HIRIARTT ESTRADA HUGO ALBERTO	SEMARNAT
14	QUERETARO	JIMENEZ EVA ARACELY	SEMARNAT
15	CELAYA	MARTINEZ GONZALEZ GONZALO	CONTROL AMBIENTAL PROFESIONAL
16	SAN LUIS POTOSI	MARTINEZ HERNANDEZ MIGUEL GABRIEL	GUEVARA
17	QUERETARO	MARTINEZ MALAGON GUSTAVO	FIDE
18	SAN LUIS POTOSI	MARTINEZ MARTINEZ LUIS OCTAVIO	MARTELEC
19	LEON	MARTINEZ VEGA ROBERTO ABEL	PROFEPA
20	SAN LUIS POTOSI	MORENO MARTINEZ EDER URIEL	MARTELEC
21	ZACATECAS	NAVALLE SORIANO JAVIER	FIDE
22	ZACATECAS	OLAGUE GARCIA SALVADOR	ZACATECAS
23	QUERETARO	OLGUIN ROBLES HECTOR	CERSA
24	AGUASCALIENTES	PALLAS GUZMAN JOSE SANTIAGO	FRISAN
25	LEON	PENA LOPEZ URIEL ALEJANDRO	CERSA
26	ZACATECAS	RAMIREZ JESUS	PROFEPA
27	LEON	ROCHA AGUIRRE MARIO CARLOS	FRIO FAST
28	QUERETARO	RODRIGUEZ ARGUELLO EDUARDO	PROFEPA
29	AGUASCALIENTES	ROSALES BAUTISTA FRANCISCO	FRIO FAST
30	GUANAJUATO	ROSALES RETANA MARIO	PROFEPA
31	AGUASCALIENTES	RUVALCABA ARELLANO LUIS FELIPE	SEMARNAT
32	SAN LUIS POTOSI	SERRANO FLORES MIGUEL ANGEL	SERVIFRIO
33	GUANAJUATO	SOLIS VERONICA	SEMARNAT
34	LEON	TORRES DELGADO CESAR ALEJANDRO	PROFEPA
35	LEON	VAZQUEZ HERNANDEZ JOSE DE JESUS	CONTROL AMBIENTAL PROFESIONAL
36	AGUASCALIENTES	VERDIN BARBA CARLOS ALBERTO	ISRAEL
37	AGUASCALIENTES	VERDIN BARBA ISRAEL	ISRAEL
38	AGUASCALIENTES	VERDIN NAVARRO JOSE DE JESUS	ISRAEL
39	CELAYA	ZEDILLO VELOZ GEORGINA	FIDE

CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
STORAGE CENTRES AND PERSONNEL LIST
FOR THE COURSE IN MONTERREY, NUEVO LEÓN
ON OCTOBER 31, 2005.

No.	CITY	NAME	INSTITUTION
1	NUEVO LEÓN	ALVARADO DUSSAUGE ALEJANDRO	SERVICIOS ECOLOGICOS CORPORATIVOS DE MANTTO SA CV
2	REYNOSA	ALVAREZ MARTINEZ MARIO FELIX	MABE MEXICO, S. DE R.L.
3	CD. JUAREZ	BARCENAS GUTIERREZ RENE	SERVI-PLUS
4	TAMAULIPAS	CARRERA HERNANDEZ ELIA FRANCISCA	PROFEPA
5	COAHUILA	CERVANTES BALDERAS JUANA MARIA	SEMARNAT
6	CHIHUAHUA	CHAVIRA SANDOVAL DANIEL	ECOMETALIKA
7	CHIHUAHUA	CHAVIRA SANDOVAL SILVIA	ECOMETALIKA
8	CHIHUAHUA	COSTILLA ROSAS CARLOS OSVALDO	SERVIPLUS
9	NUEVO LEÓN	ELIZONDO CASANOVA EVANGELINA	REFRICLIM RECICLADORA
10	NVO. LAREDO	FLORES MUÑOZ JUAN	CONFORT DIGITAL, SA DE CV
11	PIEDRAS	GARCIA AQUINO ROGELIO	COM. E IMP. DE PIEDRAS NEGRAS, SA DE CV
12	TORREON	GARCIA MORALES JONHATAN	CONT. Y FAB. DE TORREON, SA DE CV
13	GOMEZ PALACIO	GATTAS MERCADO CARLOS JACOBO	GASA
14	NUEVO LEÓN	GONZALEZ FLORES BEATRIZ	PROFEPA
15	CD. VICTORIA	GONZALEZ OVIEDO ANTONIO	CLIMAS PEGOSA, S. DE R.L.
16	REYNOSA	GUERRERO TORRES JOSE LUIS	SERVICIOS AMBIENTALES DE REYNOSA
17	CD. JUAREZ	HANFF GONZALEZ MAX	ECOLAM
18	NUEVO LEÓN	HERNANDEZ FORTANELLI SERGIO	SERVICIOS ECOLOGICOS CORPORATIVOS DE MANTTO SA CV
19	NUEVO LEÓN	HERNANDEZ LOZANO ANTONIO	FIPATERM
20	CHIHUAHUA	HERRERA GARCIA HECTOR ARMANDO	FIPATERM
21	NUEVO LEÓN	ISORDIA CASTRUITA HUGO	FIPATERM
22	SALTILLO	JIMENEZ LOPEZ GABRIEL	SERVICIOS ECOLOGICOS CORPORATIVOS DE MANTTO SA CV
23	NUEVO LEÓN	LOZANO CARREÑO EUGENIO	REFRICLIM RECICLADORA
24	CHIHUAHUA	LUCERO ARAMBULA JAIRO	ECOMETALIKA
25	NUEVO LEÓN	MARTINEZ BRAVO MARIO HUMBERTO	FIPATERM
26	NUEVO LEÓN	MERCADO CABAZOS EMMANUEL	SEMARNAT
27	NUEVO LEÓN	MERCADO SANDOVAL JESUS	FIPATERM
28	PIEDRAS	MUNOZ FERNANDEZ JOSE MARIA	COM. E IMP. DE PIEDRAS NEGRAS, SA DE CV
29	REYNOSA	NORIEGA CASTILLO JOSE MAGDALENO	MABE MEXICO, S. DE R.L.
30	MATAMOROS	NORIEGA SUAREZ HERNAN ULISES	CLIMAS ECOLOGICOS Y CONSERVACION DEL MEDIO
31	CHIHUAHUA	PALMA ORTIZ MIGUEL	ECOMETALIKA
32	COAHUILA	REYES VACJERA VICTOR RODRIGO	PROFEPA
33	NUEVO LEÓN	SALDIVAR SALDIVAR RICARDO GUADALUPE	SERVICIOS ELECTROMECANICOS SALDIVAR SA CV
34	CHIHUAHUA	SANCHEZ BOCANEGRA RODOLFO	FIPATERM
35	GOMEZ PALACIO	SANDOVAL DE LA ROSA JORGE HECTOR	GASA
36	TAMAULIPAS	TORRES CABALLERO MIGUEL ANGEL	SEMARNAT
37	CHIHUAHUA	ZAZUETA AVENDAÑO FRANCISCO JAVIER	RECICLAJES DE CHIHUAHUA

**CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
 STORAGE CENTRES AND PERSONNEL LIST
 FOR THE COURSE IN CUERNAVACA, MORELOS
 ON NOVEMBER 7, 2005.**

No.	CITY	NAME	INSTITUTION
1	GUERRERO	AGUIRRE ESPINOSA ROSALBA	LOURDES DE LA TORRE
2	GUERRERO	CATALAN FLORES SABINO	SERVICIOS ESPECIALIZADOS DE
3	IDF	CRUZADO MARTINEZ ALBERTO	SEMARNAT
4	MORELOS	DIAZ HERNANDEZ ELIGIO	FRANCISCO GONZALEZ SALOMON
5	MORELOS	GARCIA MARTINEZ JULIA ESTHER	SEMARNAT
7	GUERRERO	GARCIA RODRIGUEZ MARTIN	PROTECCION AMBIENTAL DEL PACIFICO
8	GUERRERO	GONZALEZ SALOMON ANA MARIA	SERVIFRIO
9	MORELOS	IGONZALEZ SANTOS IVAN	ICAP DEL NORTE, SA DE CV
10	IDF	HERNANDEZ CANO HERMAN	ICAP DEL NORTE, SA DE CV
11	MORELOS	MARTINEZ NORIEGA JULIO CESAR	FIDE
12	MORELOS	ORTIZ MORALES URIEL	PROFEPA
13	GUERRERO	REYES ACEVEDO JUAN ANTONIO	SERVIFRIO
14	IDF	RIOS SANTELIZ JOSE GUADALUPE	ICAP DEL NORTE, SA DE CV
15	IDF	RIOS TORRES MARIO ALBERTO	ICAP DEL NORTE, SA DE CV
16	GUERRERO	RODRIGUEZ FLORES JUAN PABLO	PROFEPA
17	IDF	SALAS MARTINEZ MARTIN	SEMARNAT
18	GUERRERO	SALAZAR ALVEA MARIA GUADALUPE	SEMARNAT
19	IDF	SALMERON VIEYRA DANIEL	ICAP DEL NORTE, SA DE CV
20	GUERRERO	SANCHEZ BOLEAGA OLIVER ORLANDO	FIDE
21	IDF	TREJO MENDOZA MAURICIO	ONUDI
22	GUERRERO	URENA MOLINA ABRAHAM	LOURDES DE LA TORRE
23	MORELOS	VAZQUEZ SILVA FAUSTO	FRANCISCO GONZALEZ SALOMON
24	MORELOS	ZARAGOZA HERNANDEZ VICTOR	ICAP DEL NORTE, SA DE CV
25	IDF	ZULBARAN ALPIZAR JORGE	ICAP DEL NORTE, SA DE CV

**CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
 STORAGE CENTRES AND PERSONNEL LIST
 FOR THE COURSE IN VILLAHERMOSA, TABASCO
 ON NOVEMBER 14, 2005.**

No.	CITY	NAME	INSTITUTION
1	VILLAHERMOSA	ALEJANDRO RAMON MARTIN	SERV. Y MANTTO DE AIRES ACOND. Y REFRIG.
2	VILLAHERMOSA	ARIAS CORDOBA TITO EVELIO	PROFEPA
3	VILLAHERMOSA	CADENA VALENZUELA VERONICA	PROFEPA
4	TAPACHULA	CHANG VELAZQUEZ CARLOS	TECNOLOGICO DE TAPACHULA
5	TAPACHULA	CIGARROA LOPEZ EDGAR	IASI
6	VILLAHERMOSA	GARCIA ORTIZ JOSE MANUEL	SERVI REFRI J.R.
7	HUIXTLA	HERRERA ALTUZAR LEOPOLDO	JUAN FRANCISCO SUAREZ
8	OAXACA	JARQUIN MENDOZA NOEL ENRIQUE	SEMARNAT
9	CHIAPAS	JIMENEZ MORENO NOE	SEMARNAT
10	VILLAHERMOSA	LOPEZ ALVAREZ JOAQUIN	SERV. Y MANTTO DE AIRES ACOND. Y REFRIG.
11	TAPACHULA	LOPEZ CALVO AMEL ANGEL	TECNOLOGICO DE TAPACHULA
12	OAXACA	MARISCAL MARTINEZ ETELBERTO	ID'SUMAC
13	VILLAHERMOSA	MARTINEZ ESCUDERO GLENDA NURI	SEMARNAT
14	OAXACA	MATADAMAS CRUZ INOCENCIO	PROFEPA
15	ANIMAS TRUJANO	MEZA REYES MIGUEL ANGEL	CAP DEL NORTE SA CV
16	CHIAPAS	MONTEJO VAZQUEZ PROSPERO E.	PROFEPA
17	STA CRUZ JOJOCATLAN	O'FARRIL JOSE ANTONIO	CONTROL ECOLOGICO AMBIENTAL
18	VILLAHERMOSA	REYES ACUNA GUADALUPE	SEMARNAT
19	VILLAHERMOSA	RODRIGUEZ TEOFANI ALEJANDRO	IASI
20	CHIAPAS	SOLIS HERNANDEZ JOSE DAVID	SEMARNAT
21	HUIXTLA	SUAREZ CANCINO JUAN FRANCISCO	JUAN FRANCISCO SUAREZ
22	ANIMAS TRUJANO	TORRES JUAREZ JOSE RODRIGO	CAP DEL NORTE SA CV
23	VILLAHERMOSA	VAZQUEZ SANCHEZ JOEL	SERVI REFRI J.R.
24	TUXTLA GUTIERREZ	ZAVALA ZAVALA LUIS OCTAVIO	LUIS OCTAVIO ZAVALA

**CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
 STORAGE CENTRES AND PERSONNEL LIST
 FOR THE COURSE IN HERMOSILLO, SONORA
 ON NOVEMBER 21, 2005.**

No.	CITY	NAME	INSTITUTION
1	HERMOSILLO	ACOSTA REY BLANCA XOCHITL	PROFEPA
2	HERMOSILLO	ALVARADO ALEJANDRO	REFRIEQUIPOS DE SONORA
3	NAVOJOA	ALVARO IARRA ARTURO	CLIMAIRE SA DE CV
4	IGUAYMAS	EADILLA CARLOS JAIME	FRIO DEL PACIFICO DE EMPALME
5	HERMOSILLO	BURTON FLORES OSWALDO	DISTER COOL
6	IMEXICALI	CAMEZ CONTRERAS ENRIQUE	SEMARNAT
7	CD. OREGON	CONANT TOMAS ERNESTO	WINDMASTER
8	IGUAYMAS	DUARTE FEDERICO	MULTIDISEÑOS
9	IGUAYMAS	IGARCIA MARTINEZ ALBERTO	MULTIDISEÑOS
10	HERMOSILLO	IGUEVARA ZAMORANO RICARDO	ASI
11	ENSENADA	INIGUEZ NUÑO FELIX DE JESUS	INDUSTRIAS NAVALES MEXICANAS, SA DE CV
12	IMEXICALI	MANRIQUEZ TORRES ARMANDO	PROTECCION AL MEDIO AMBIENTE
13	IMEXICALI	MARTINEZ REYES JUAN ARTURO	RECICLADORA DE METALES VAZQUEZ S. DE R.L. DE C.V.
14	IMEXICALI	MEZA SANDOVAL MIGUEL	PROTECCION AL MEDIO AMBIENTE
15	IGUAYMAS	REYES VEGA JUAN CARLOS	FRIO DEL PACIFICO DE EMPALME
16	HERMOSILLO	RODRIGUEZ OYAMA LUIS ALBERTO	REFRIEQUIPOS DE SONORA
17	IMEXICALI	RUIZ ESPINOZA JESUS	ASI
18	TJUANA	SALGUERO ROSAINZZ MARIO	INDUSTRIAS NAVALES MEXICANAS, SA DE CV
19	INOGALES	SOTO YEPIZ EDGAR	EL CAASINO
20	CD. OREGON	VAL DEZ LEYVA RUBEN	WINDMASTER
21	INOGALES	VALENZUELA SOMBRA GERMAN	EL CAASINO
22	IMEXICALI	VAZQUEZ ALVAREZ JUAN MANUEL	RECICLADORA DE METALES VAZQUEZ S. DE R.L. DE C.V.
23	HERMOSILLO	VERDUGO TORRES JESUS OCTAVIO	DISTER COOL
24	NAVOJOA	VIGUEIRAS VALENZUELA JESUS	CLIMAIRE SA DE CV
25	HERMOSILLO	AGUIRRE SYMONDS RAUL	ASI
26	HERMOSILLO	ALVAREZ CORONADO VINCIO	ASI
27	NAVOJOA	GARCIA PEREZ RUBEN DARIO	ASI
28	NAVOJOA	GUERRERO LUNA MIGUEL	ASI
29	IGUAYMAS	SANCHEZ NAVARRETE ADALBERTO	ASI

**CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
 STORAGE CENTRES AND PERSONNEL LIST
 FOR THE COURSE IN CULIACÁN, SINALOA
 ON NOVEMBER 24, 2005.**

No.	CITY	NAME	INSTITUTION
1	CULIACAN	CASTILLO GUERRERO ALBERTO	MAS FRIO
2	MAZATLAN	CASTILLO PARTIDA JOSE ROSALIO	CLIMAIRE, SA DE CV
3	CULIACAN	CHAVEZ TIRADO VICTOR HUGO	TRIED, SA DE CV
4	CULIACAN	ESPINOZA LOPEZ OCTAVIO	SEMARNAT
5	LOS MOCHIS	FARIAS JOSE JAVIER	FARNEY
6	CULIACAN	FERRERIRO RAMIREZ ARTURO	MAS FRIO
7	LOS MOCHIS	FLORES GALLÉGOS LORENZO	MARTINEZ CHATARRA
8	CULIACAN	GAMEZ MALDONADO GABRIEL	ASI
9	CULIACAN	GUARDADO VELAZQUEZ ALFREDO	PROFEPA
10	CULIACAN	GUEVARA ZAMORANO RICARDO	ASI
11	IGUASAVE	INZUNZA MORENO RAMON ALFREDO	CAP DEL NORTE SA DE CV
12	IGUASAVE	LEAL MORENO HORACIO	CAP DEL NORTE SA DE CV
13	MAZATLAN	LOPEZ ROJO VICTOR	CLIMAIRE, SA DE CV
14	CULIACAN	MACIAS MUÑOZ PEDRO	ASI
15	BC. SUR	MARQUEZ GONZALEZ DANIEL	SEMARNAT
16	LOS MOCHIS	MARTINEZ VAZQUEZ JOSE MARIA	MARTINEZ CHATARRA
17	CULIACAN	MORENO QUIROZ MARCO ANTONIO	PROFEPA
18	BC. SUR	MUÑOZ VEGA DANIEL	PROFEPA
19	LA PAZ	TEJEDA SANTILLAN JUAN	REFRITEC DE BAJA CALIFORNIA, SA DE CV
20	LA PAZ	VEGA JAIME ARTURO	REFRITEC DE BAJA CALIFORNIA, SA DE CV
21	BC. SUR	VERDUGO OLACHEA GERMAN	ASI
22	CULIACAN	CHAIDEZ VALENZUELA LUIS LEONARDO	ASI
23	CULIACAN	IRIBE GONZALEZ JORGE	ASI
24	CULIACAN	MORENO MORENO MOISES	ASI
25	LOS MOCHIS	OSUNA PARENTE JUAN DANIEL	ASI
26	CULIACAN	SERNA VEGA CRISTIAN PAUL	ASI
27	MAZATLAN	TOLOSA HUERTA ADRIAN	ASI
28	IGUASAVE	ZAZUETA AHUMADA EDGAR	ASI

**CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
 STORAGE CENTRES AND PERSONNEL LIST
 FOR THE COURSE IN MÉRIDA, YUCATÁN
 ON NOVEMBER 28, 2005.**

No.	CITY	NAME	INSTITUTION
1	QUINTANA ROO	AGUILAR CAHUICH SERGIO IVAN	ASI
2	CAMPECHE	CANUL EK JULIO CESAR	ASI
3	MÉRIDA	DOMINGUEZ MARENCO ALFONSO	SEMARNAT
4	QUINTANA ROO	GARCIA ESQUIVEL JOSE LUIS	JORGE LUIS GARCIA ESQUIVEL
5	MÉRIDA	HERNANDEZ JORGE ALEJANDRO	CREDICLIMAS, S DE RL
6	MÉRIDA	LOPEZ MAY CARLOS	ASI
7	MÉRIDA	MEDINA PIÑA ELVIRA GUADALUPE	PROFEPA
8	MÉRIDA	PARRA CORONADO NATIVIDAD	ASI
9	QUINTANA ROO	PECH CASANOVA DIONISIO ALBERTO	PROFEPA
10	MÉRIDA	RAMIREZ MANUEL JESUS	CREDICLIMAS, S DE RL
11	MÉRIDA	SALAS GAMBOA JAVIER IGNACIO	PROFEPA
12	CAMPECHE	SAN MIGUEL MANZANO JULIO EDUARDO	JULIO EDUARDO SAN MIGUEL MANZANO
13	MÉRIDA	SEPULVEDA JOSE LUIS	SEPULVEDA
14	CAMPECHE	SOLEMAN SILVAN ALBERTO	MA. DEL SOCORRO GONZALEZ CASTILLO
15	CAMPECHE	SOLEMAN SILVAN MOISES	MA. DEL SOCORRO GONZALEZ CASTILLO
16	MÉRIDA	SUASTE RIVAS ISRAEL ALEJANDRO	ASI
17	QUINTANA ROO	YAM CARDENAS CINTHYA YARENI	SEMARNAT

**CONTROL AMBIENTAL PROFESIONAL DEL NORTE, SA DE CV
 STORAGE CENTRES AND PERSONNEL LIST
 FOR THE COURSE IN VERACRUZ, VERACRUZ.
 ON NOVEMBER 30, 2005.**

No.	CITY	NAME	INSTITUTION
1	STA ANA CHIAUTEMPAN	AMADOR BELLO JAIME	SERVICIO RAMOS REFRIGERACION
2	POZA RICA	ARGÜELLES NAVARRETE FERNANDO	POZA RICA REFRIGERACION, SA DE CV
3	ACAYUCAN	BLANCO PULIDO EZEQUIEL	SERVICIO DE REFRIGERACION Y MANTTO
4	ACAYUCAN	BLANCO PULIDO MANUEL	SERVICIO DE REFRIGERACION Y MANTTO
5	XALAPA	CARMONA VALERIO ROSA	FIDE
6	TEHUACAN	CERDA FUENTES JORGE	TECNODEOMESTICA TEHUACAN
7	XALAPA	CEVALLOS HUERTA DANIEL	CAP DEL NORTE, SA DE CV
8	TLAXCALA	CUANALAO CABALLERO RUBEN	FIDE
9	XALAPA	CUEVAS GARCIA JESUS	CAP DEL NORTE, SA DE CV
10	VERACRUZ	ESPIÑO RODRIGUEZ JUANA	FIDE
11	APIZACO	FERNANDEZ MENDEZ RAYMUNDO	CERSA
12	COATZACOALCOS	GAMBOA HERNANDEZ JOSE ANTONIO	CONSTRUCCIONES Y SERVICIOS DE LA CUENCA
13	COATZACOALCOS	GAMBOA NAVARRETE ANTONIO	CONSTRUCCIONES Y SERVICIOS DE LA CUENCA
14	VERACRUZ	GONZALEZ MARTINEZ JOSE	PROFEPA
15	XALAPA	GONZALEZ VAZQUEZ JULIO CESAR	CAP DEL NORTE, SA DE CV
16	HUEYOTITLAN	HERNANDEZ ELIZALDE ANDRES	D SUMAC
17	APIZACO	HERNANDEZ HERNANDEZ REY	CERSA
18	MINATITLAN	HERNANDEZ MEDRANO RICARDO	MEDRANO AIRE ACONDICIONADO
19	MINATITLAN	HUMBRERAS MEDRANO JAVIER	MEDRANO AIRE ACONDICIONADO
20	PUEBLA	JIMENEZ GARCIA LUZ MARIA	CAP DEL NORTE, SA DE CV
21	PUEBLA	JUAREZ MARTINEZ JUAN LUIS	FIDE
22	TEHUACAN	MACÍAS GAYTÁN MIGUEL ANGEL	TECNODEOMESTICA TEHUACAN
23	TLAXCALA	MARQUEZ DE LA ROSA MAXIMILIANO	SEMARNAT
24	DF	MARTINEZ GONZALEZ GONZALO	CAP DEL NORTE SA DE CV
25	PUEBLA	MIRANDA ANGEL	SEMARNAT
26	COATZACOALCOS	MORALES ESTRADA JUAN CARLOS	FIDE
27	POZA RICA	NAVA RANGEL JUAN	POZA RICA REFRIGERACION, SA DE CV
28	TLAXCALA	ORTIZ PEREZ JORGE ENRIQUE	PROFEPA
29	XALAPA	PELAYO MIRANDA DORA LUZ	CAP DEL NORTE, SA DE CV
30	HUEYOTITLAN	PIÑON GARCIA PEDRO	D SUMAC
31	STA ANA CHIAUTEMPAN	RAMOS RAMOS ROGELIO	SERVICIO RAMOS REFRIGERACION
32	POZA RICA	VILLEGAS MARQUEZ CRISTINA	FIDE
33	VERACRUZ	VIZCAINO PRIMO ABUNDIO	FIDE

ANNEXE B

Good Practices in Handling, Recovering, Storage, and Final Disposal of Chlorofluorocarbons (CFC's) and Used Oils in PFAEE/ASI Storage Centres.

PROGRAM

7:00 - 8:00	Breakfast
8:00 - 8:30	Participant's Registry
8:30 - 8:45	Wellcome and Introducing Message
8:45 - 9:00	PAEE/ASI Programmes
9:00 - 9:10	Course Objectives
9:10 - 10:00	Ozone Layer Problem Solution:
10:00 - 11:00	International and National Response.
11:00 - 11:20	RECESS
11:20 - 12:30	Good Practices and Integral Prcedure in a Storage Centre
12:30 - 13:00	Questions and Answers
13:00 - 14:00	MEAL
14:00 - 15:00	Course Objectives Analysis and Discussion

	<u>Storage Centres</u>		<u>Authorities</u>
15:00 - 15:30	Depart to SC	15:00 - 15:20	Recess
15:30 - 16:00	Equipment delivery	15:30 - 16:30	Round Table
		16:30 - 17:00	Depart to SC
16:00 - 17:30		Demonstration and Practice (Incorporation of Authorities)	
17:30 - 18:00		Depart to Hotel	
18:00 - 18:30		Autoevaluation and Conclusión	
18:30 - 19:00		Closure and Delivery of Diplomas.	

ANNEXE C

Place: Guadalajara, Jalisco.

Date: October 24th and November 11th, 2005.



Picture 1. View of theoretical session where distribution of training room is noticeable.



Picture 2. Exhibitors, answering while questions session in the Course.



Picture 3. Attendees receiving loan equipment.



Picture 4. Attending recommendations from Eng. Martín Salas of OPU.

Place: León, Guanajuato.

Date: October 27th and November 10th, 2005.



Picture 5. Attendees in León.

Foto 6. Exhibitors attending participants questions.

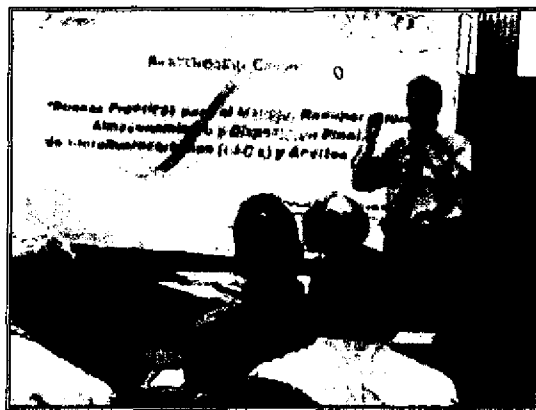


Picture 7. Instructor Julio Reyes showing equipment operation.

Picture 8. One of Storage Centres representatives, checking the tools and equipment he had received.

Place: Monterrey, Nuevo León.

Date: October 31st, 2005.



Picture 9. Instructor Daniel Salmerón during theoretical explanation of the Course.



Picture 10. View of the training room during the Monterrey Course.



Picture 11. ITE-Mexico representative explaining the operation of equipment.



Picture 12. Tools and equipment visible to all of the attendees.

Place: Cuernavaca, Morelos.

Date: November 7th, 2005.



Picture 13. Wellcome message to the attendees from Eng. Antonio Acho.

Picture 14. Presentation of Eng. Martín Salas from OPU, about strategies and plans in Mexico.

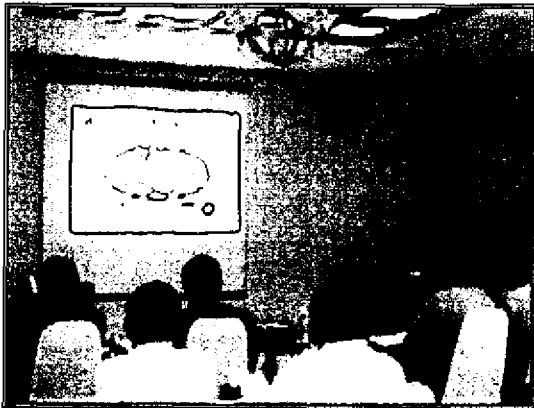


Picture 15. Eng. Mauricio Trejo of UNIDO Mexico, delivering one tools and equipment *kit*.

Picture 16. Attendees receiving delivered equipment.

Place: Villahermosa, Tabasco.

Date: November 14th, 2005.



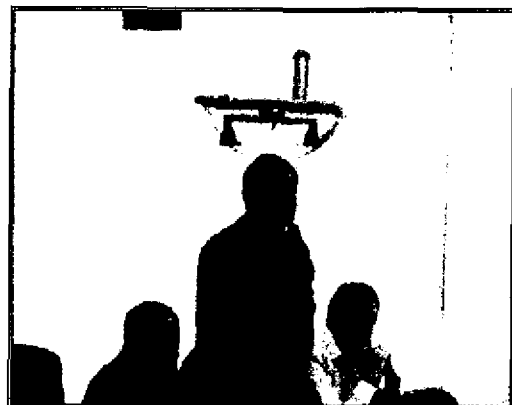
Picture 17. View of exposition and audiovisual material.



Picture 18. Audience at Villahermosa.



Picture 19. Showing service manifold functioning.



Picture 20. Goodbye message from OPU.

Place: Hermosillo, Sonora.

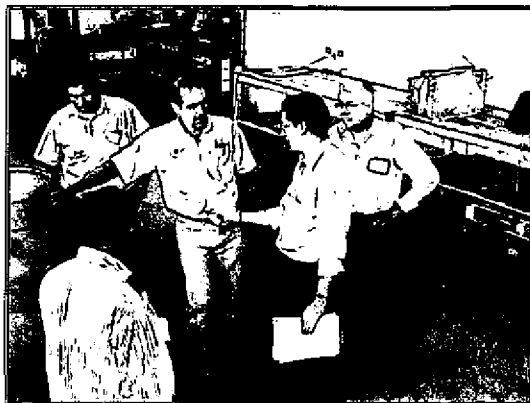
Date: November 21st, 2005.



Picture 21. Commencement Ceremony.



Picture 22. Explanation of gas identification/analysis equipment.



Picture 23. Informing the responsible of the Regional CFC Storage Centre.



Picture 24. Group picture at the end of the Course.

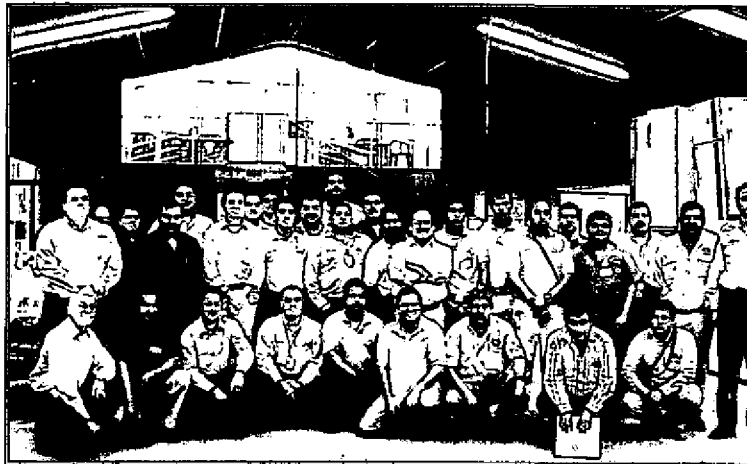
Place: Culiacán, Sinaloa.

Date: November 24th, 2005.



Picture 25. Recovery machine revision of operation.

Picture 26. Inhabilitated equipment conection to recover refrigerant.



Picture 27. Group picture at the end of the practical session.

Place: Mérida, Yucatán.

Date: November 28th, 2005.



Picture 28. While 'The



Picture 29. Equipment delivery to representatives of Storage Centres.

Place: Veracruz, Veracruz.

Date: November 30th, 2005.



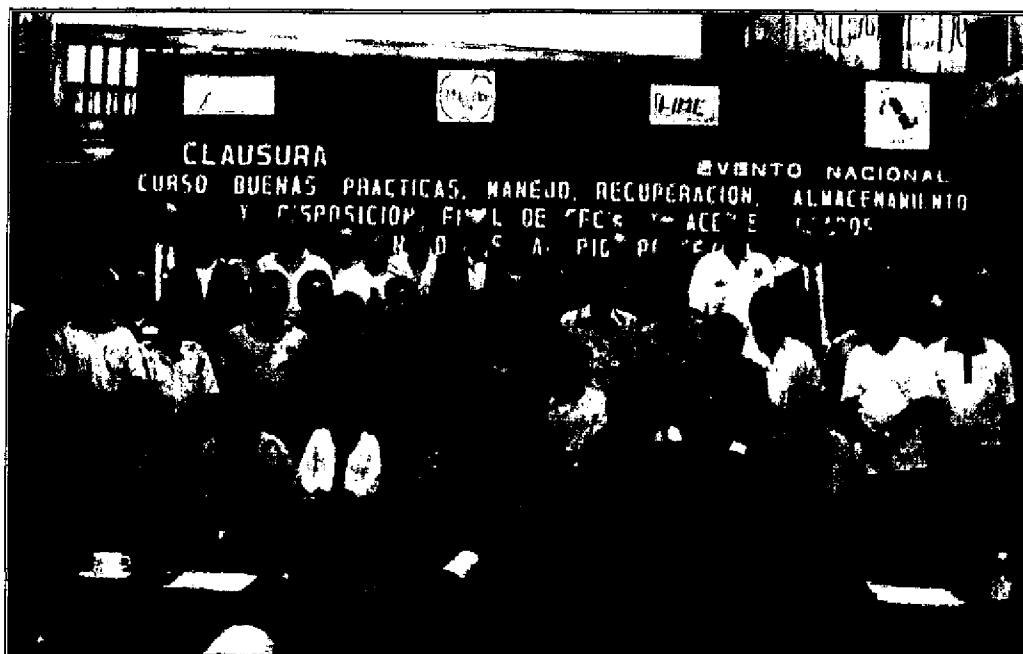
Picture 30. Equipment operation demonstration to SEMARNAT authorities.



Picture 31. Operation explanation to M.Sc. Ana María Contreras, General Director of CARETC of SEMARNAT.



Picture 32. Audience at the Official Course Clorure Event.



Picture 33. Final picture of the Official Training Course Closure Event.

ANNEXE D

FOR FIDE:

1. It is necessary to standardize Storage Centres operation procedures, as well as Supervision and Distribution obligations.
2. To promote lube oil análisis to know if it can be declassified as a hazardous waste.
3. Previous to the authorization for establishment of a new Storage Centre, besides electrical energy savings, it shall be informed about environmental implications that CFC and used oil recovery imply, among many others.
4. To agree joint visits with a SEMARNAT representative and a Programme Supervisor, to make a formality regarding obligations compliance and to guarantee an efficient operation of storage centres.
5. To inform SEMARNAT State Delegations, once procedures have been standardized, to guide Storage Centre's person in charge about environmental matters.
6. FIDE must have a public domain available list of authorized Storage Centres that are operating actually, and of Regional CFC Storage Centres. An example for this could be the list of authorized companies for handling of hazardous wastes.
7. ¿Is there any other programme for industrial equipment substitution?
8. There is a lack of diffusion of the Programme, from the electrical energy savings and from the CFC control point of view. People are willing to cooperate.
9. To publish Programme benefic statistics, informing periodically and openly the amounts of equipment substituted by entity, as well as of recovered refrigerant gas quantity.
10. To consider that once an equipment has been received by Storage Centres, it will not leave back. If they do not comply with the requirements of the Programme, Storage Centre will not give a receipt, but might be handled out of the Programme for CFC recovery.
11. To supervise Storage Centres for good usage of the equipment they received in loan, as a control measure.

12. To consider criteria at Coordinations, for Storage Centres with specific lay-outs, since some of them promote time and movement reductions, reducing work risks as well. This, obviously, as far as environmental normativity is complied and they guarantee equipment inhabilitation.
13. *Distributors training at Coordinations, concerning Good Practices they must keep with substituted equipment, as the right way to write down equipment data, measures, etc.*
14. FIDE should promote this kind of Training Courses among the Programmes it runs, with the final goal of standardize criteria and procedures, to guarantee electrical energy savings, but emphasizing *environmental care and the benefits from the correct operation of such Programmes.*

For SEMARNAT:

1. To make a broader difusión of the Ozone Layer Protection Unit web page.
2. To supervise Storage Centres for good use of the equipment they received in loan as a controlmeasure.
3. To agree joint visits with a Programme Supervisor, to make a formality regarding obligations compliance and to guarantee an efficient operation of storage centres.
4. To deliver more information to State Delegations related to this kind of Programme operations, as well as *some difussion material concerning the importante of Ozone Layer and what substances are affecting it, like methil bromide, used at farm lands.*