



UNDP

## CERTIFICATE OF COMPLETION

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PROJECT: BRA/12/G76  
AGENCY: UNDP

DATE APPROVED: 30 September 2015  
ENGINEER: Miguel Quintero

CONTRACTOR: MARCO INDÚSTRIA DE POLIURETANOS LTDA

LOCAL GOVERNMENT: OZONE PROTECTION UNIT OF THE BRAZILIAN  
GOVERNMENT

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Issued by: United Nations Development Programme (UNDP)

### AGENCY (IA)

Addressed to: Marco Indústria de Poliuretanos Ltda.  
Rua Turmalina, 650 – Recreio Campestre Jóia  
CEP 13347-040 – Indaiatuba- SP/ Brazil

### CONTRACTOR

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This Certificate of Completion applies to all work conducted under the Project Document approved by UNEP/OzL.Pro/ExCom/64/53 – Decision 64/40:

**BRA/12/G76** – Brazil's HCFC Phase-out Management Plan:

- Conversion to non-HCFC Technology in the Manufacture of Polyurethane Foam of the Enterprise Marco Indústria de Poliuretanos Ltda. (part of Spandy Group)
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The work to which this Certificate applies has been inspected by the ENGINEER in presence of authorised representatives of IA and CONTRACTOR and the work is hereby declared to be completed in accordance with the aforementioned project document.

30 September 2015

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Empoderando vidas.  
Fortalecendo nações.

## RESPONSIBILITIES

From the date of Completion the responsibilities between IA and CONTRACTOR for security, operation, safety, maintenance, utilities, insurance, warranties and guarantees shall be as follows:

IA: As of Wednesday, 30 September 2015, all of the aforementioned responsibilities shall be passed from UNDP to Marco Indústria de Poliuretanos Ltda., located in Diadema, Brazil.

CONTRACTOR: As of Wednesday, 30 September 2015, all of the aforementioned responsibilities shall be assumed by Marco Indústria de Poliuretanos Ltda., and the CONTRACTOR shall hold UNDP harmless.

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The following is a list of complete activities carried out under the conversion to non-HCFC technology in the manufacture of polyurethane foam of the enterprise Marco Indústria de Poliuretanos Ltda. as of Wednesday, 30 September 2015:

- Investment/ engineering project implemented:
  - Adaptation of storage and mixing areas and equipment;
  - Improvements in the transfer piping systems from the storage area to the blending tank, with installation of diaphragm pumps and safety valves ;
  - Retrofit of injection equipment (3 LPDs);
  - Installation of fire-fighting, safety monitoring and ventilation systems;
- Manufacturing processes and plant operation with new blowing agent (Methyl Formate) were certified by an assessment risk company;
- Staff training on management, handling and safety measures of inflammable substances;
- 3.53t ODP phased out (Spandy Group).


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Executed on behalf of UNDP by ENGINEER on Wednesday, 30 September 2015:

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Miguel Quintero, Engineer

CONTRACTOR accepts this Certificate on \_\_\_\_\_:

By:   
Antônio Marco Pigozzo, CEO

## ANNEX-A

### DECLARATION OF DISPOSAL OF BASELINE EQUIPMENT UNDER PROJECT BRA/12/G76 – (SPANDY GROUP)

Under Project BRA/12/G76 MARCO INDÚSTRIA DE POLIURETANOS LTDA (part of SPANDY GROUP), the CONTRACTOR hereby declares that it has disposed the baseline equipment as identified in the approved Project Document for BRA/12/G76 - SPANDY GROUP as follows:

<b>DISPOSAL OF BASELINE EQUIPMENT UNDER PROJECT BRA/12/G76 – (CONTRACTOR)</b>						
Equipment Description	Make, Year and Model	Equip-ment ID#	Method of Disposal	Date of disposal	Implement ed By	Verified By
Low Pressure	Transtecnica, 30kg, 1984		3	September, 2015	Contractor	IA
Low Pressure	Transtecnica, 7kg, 1981		3	September, 2015	Contractor	IA
Low Pressure	Transtecnica, 15kg, 1986		3	September, 2015	Contractor	IA
Blending Tank	MPU		3	September, 2015	Contractor	IA

1. Physical Destruction/Dismantling/Rendering Unusable with HCFCs
2. Decommissioning and Storage
3. Retrofitting
4. No action

Under project BRA/12/G76 – SPANDY GROUP, the Contractor declares as below:

- (1) That it has carried out the disposal of the baseline equipment as tabulated above, so as to render the equipment unusable with HCFCs, applying the process described below:

**Brief description of the disposal process:**

- Retrofit kits for injection equipment and mixing tank.

- (2) That it, in the event that any equipment is decommissioned and retained in storage by the Contractor, it will not use it with any HCFCs and it will not sell or surrender the custody of

*Handwritten signature*

- (3) this equipment except to a designated authority so assigned by UNDP and/or the Government. Justification (as mandatorily required) for retaining this baseline equipment is provided by the Contractor below:

**Justification for retaining the baseline equipment:**

- N.A.

- (4) That it will not resume the use of any HCFC or other Ozone Depleting Substance (ODS) in its manufacture of Polyurethane Foam as per Term of Commitment signed on 28 May 2015.

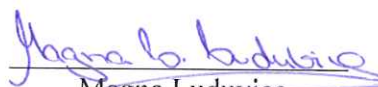
In agreement:

CONTRACTOR



Antônio Marco Pigozzo,  
CEO

GOVERNMENT



Magna Ludovice,  
National Ozone Unit Officer

It is hereby verified that a review, undertaken with all due diligence, of the information made available to UNDP revealed no discrepancies in the aforementioned representations with which UNDP, therefore, agrees,

UNDP



Miguel Quintero, Engineer