

# NOVEMBER 2018

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618

Employees

18,436,501

Man-hours LTI Free

99.4%

HDPE Total progress in November

 **SOCAR  
POLYMER**

# Corporate Environmental Responsibility in focus



Dear colleagues,

Environmental pollution is the focused topic of debate in almost all spheres because each and every activity carried out by human beings directly or indirectly affects the environment. It is needless to reiterate how important it is for industrial companies to stay alert to environmental issues and hazards. To do so, SOCAR Polymer annually participates in the Caspian and Caucasus region's significant event for ecology and environmental protection, that is supported by the Ministry of Ecology and Natural Resources of the Azerbaijan Republic and the IDEA Public Association. This year's ecological exhibition is held under the "Change yourself, not nature" motto. And SOCAR Polymer is committed to looking for ways to better incorporate environmental issues into our operations in order to eliminate waste and emissions, maximize the efficiency and productivity of our resources and minimize practices that badly affect the country's natural resources. Like for many local companies that voluntarily or mandatorily engage, it has become a pillar of development for us, too. Corporate Environmental Responsibility employs the most effective and efficient measures to reduce environmental impacts and financial costs.

The efforts you have witnessed made both in office and on site to reduce waste and pollution to the environment and to promote our employees' involvement in our HSE programs are the reflection of our conscientious attitude to the issues of ecological and community wellness.

Through our cooperation with a global leader in environmental protection, "Golder Associates", let us together make SOCAR Polymer an unprecedented project not only in economic and financial model terms, but also in adherence to HSE standards calling upon our community to be environmentally aware, proactive and friendly.

A handwritten signature in blue ink, appearing to read 'Farid Jafarov', with a stylized flourish at the end.

**Farid Jafarov**

# PROGRESS ON SITE DURING NOVEMBER

## HDPE plant



HDPE: Blending Silos.  
Punch clearance ongoing



HDPE: Extrusion Structure.  
Punch clearance in progress



HDPE: Organoleptic Structure and Effluent Treatment.  
Punch clearance ongoing



HDPE: Polymerization.  
Punch clearance ongoing



HDPE: Electrical Substation.  
Punch clearance ongoing



HDPE: Pellet blower package space for logistic conveying.  
Punch clearance in progress



HDPE: Reactor Dump tank.  
Punch clearance in progress



HDPE: Low Pressure Solvent Recovery.  
Punch clearance in progress



HDPE: Bagging & Packing.  
Punch clearance in progress



HDPE: Ethylene Treatment.  
Punch clearance in progress

# Project progress status

## HDPE Plant Progress

### Disciplines

### Cumulative Progress

Detailed Engineering



**100%**

Procurement Orders



**100%**

Subcontracting



**100%**

Material Supply – Manufacturing and Delivery



**100%**

Construction



**99.6%**

Overall



**99.4%**



# 'Spaghetti run' testing of the HDPE extruder

SOCAR Polymer launched test production of HDPE



On November 19, following flushing of the lines with isobutane, a test run of the extrusion equipment at the HDPE plant was conducted with the participation of IPMT members, including Fluor representatives, engineers.

Those present witnessed successful test production of HDPE pellets. High-density polyethylene mass was extruded into spaghetti form and cut into pellets with subsequent drying and cooling.

The objective of the test-run was to commission and test

the operability of the Dry Section of the HDPE plant. The Dry Section performs the function of turning dry PE powder into pellets of a certain HDPE grade by mixing the powder with respective additives/ingredients and extruding pellets.

In celebration of this milestone achievement, gratitude was expressed to all the teams who had made their contribution, including SOCAR Polymer, Fluor, Kinetics Technology, and subcontractor teams.

# SOCAR Polymer at Caspian Ecology 2018 exhibition



On November 14-16, SOCAR Polymer was among the 43 exhibitors of the 9th Azerbaijan International Environmental Exhibition "Caspian Ecology 2018" organized at the Baku Expo Center by Caspian Event Organisers (CEO). The only significant event for ecology and environmental protection in the Caspian and Caucasus regions that is supported by the Ministry of Ecology and Natural Resources of the Azerbaijan Republic and the IDEA Public Association, this exhibition was held under the "Change yourself, not nature" motto this year. The exhibition attracts people's attention to environmental issues and solutions, as well as demonstrates the latest developments towards more efficient use of natural resources, systems for solid waste collection and disposal, etc. Our company was represented by Gullar Taghiyeva, Khalida Alimirzayeva, and Govhar Mammadova.





**Govhar Mammadova  
Document Controller**

- Among the visitors to our stand were many students majoring in environmental studies. Also, representatives of companies producing plant equipment or plant activity related products, such as laboratory devices and consumables visited the stand to offer their products and services.

There were quite many ordinary citizens who were not specialists of the environmental industry or science. But approximately a dozen of the visitors turned out to be subject specialists who approached me with targeted questions regarding our company's approach to environmental issues, expressed their concerns and expectations of corrective actions. I conveyed to them in due manner and detail our company's commitment to and active measures undertaken for minimizing the impact our plants may make on the environment.

**Khalida Alimirzayeva  
Jr. Document Controller**

- The visitors have been quite curious about our company's activity. They inquired whether our plants could use recycled plastic to produce polymers, what products could be produced from our polymers, and where our products could be purchased. I informed them that our polypropylene is marketed under the SOCAR Polypropylene brand name. As the exhibition was not a chemical industry related one, many visitors made their first acquaintance with the SOCAR Polymer project, its goals and green policies. Several inquiries were made regarding domestic sales, investment possibilities and cooperation opportunities through distributorship. For more detailed information including a downloadable catalogue of our products, we referred the inquirers to the official website of our company.



## HR Training and Development at SOCAR Polymer

# OPS Trainings

OPS (operations) trainings are offshore/onshore trainings conducted for SOCAR Polymer's operation/maintenance/laboratory staff to expand their theoretical knowledge and practical skills regarding the technical aspects of operating/maintaining various types of equipment/

facilities installed at the PP plant. The trainings are arranged by Tecnimont, SOCAR Polymer or Fluor, and are delivered at vendors' facilities abroad or at appropriate institutions in Azerbaijan.

## Trainee report on the Mini Lab Extruder and Platen Press Trainings



Aliya Ahmadova  
Laboratory analyst

- HDPE-oriented staff of the laboratory has been busy in recent months polishing their skills in operation of the laboratory equipment assigned to the HDPE plant. Commissioning of the equipment has been under way, too. Both shift and regular-hours staff received 3 days' training. The trainer, Mr. B.Eng. Oliver Harf was from Technical Services of Dr. Collin GmbH which is one of the leading companies of Germany. Collin Lab & Pilot Solutions with headquarters in the Bavarian city of Ebersberg develop intelligent pilot and laboratory lines in modular system for plastic processing companies as well as for research

institutes.

The training was held in the Laboratory Extrusion Room. It was mainly about work principle of 'Plate Press' and 'Mini lab extruder'. Plate Press shall be used to prepare samples of polyethylene for corrosivity analysis and other physical tests. Nevertheless, other instrument namely 'Mini lab extruder' with bath and pelletizer is used for homogenization of non-homogeneous samples for MFR analysis. The trainer Mr. B.Eng. Oliver Harf was quite competent and expert. He was well prepared. The time allotted for the training was sufficient. Everything about equipment was

shown by him. The training consists of both theoretical and practical parts. In 3 days, around 16 lab personnel have been participated. Almost all participants had opportunity to practice in instruments by themselves. Beyond the gained practical knowledge training helps Lab Analysts to drive improvements in occupational and process safety. This training experience will be useful for lab analysts in their work. Lab personnel are preparing for getting next Vendor trainings for rest of HDPE equipment.

# On-the-job training sessions at the SOCAR Polymer plant site

The EPC contract with the Tecnimont company includes trainings which the Kinetics Technology (KT) company has been provided on daily basis since 28 August. An extensive Training Program has been carried out since August 2017 to date, covering all aspects of plant operations and envisaging both Classroom training (480 hours total) by various specialists and vendors, and On-job training (1,050 hours total) to be led by experienced technicians until the end of the project to ensure complete grooming of SOCAR Polymer operators to efficiently handle the Plant. An operation readiness and start-up team from South Africa comprising specialists with more than 30 years' experience in the petrochemical industry was engaged

to conduct on-the-job trainings, to coach and support the professional development of national staff to ensure safe and flawless operation of the new plant. The trainings are listed under four major disciplines/categories: electrical, instrumentation, mechanical and operation. Thus, the SOCAR Polymer plant personnel gets a better understanding of the principles of equipment operation and grows better informed of the basic maintenance and troubleshooting processes.

More detailed information on some of the training sessions conducted on site in November is provided below:

ONSHORE TRAININGS					
Training title	Training Vendor	Duration	Dates	Number of participants	Participants' positions
<b>Supervisor HSE Pack</b>	SOCAR Polymer	1 day	1 Nov	1	1 mechanical supervisor
<b>Emergency Response Team Awareness</b>	SOCAR Polymer	1 day	1 Nov	5	2 plant operators, 1 electrical technician, 1 bagging & dispatch operator, and 1 HSE advisor
<b>DCS &amp; ESD System</b>	MAYEKAWA	1 day	1 Nov	13	12 plant operators, and 1 DCS technician
<b>Waste segregation awareness</b>	SOCAR Polymer	1 day	11 Nov	4	4 roustabouts
<b>Oracle Primavera P6</b>	Gantt	4 days	12-15 Nov	8	4 maintenance planners, 2 production planners, and 2 schedulers
<b>Forklift Operator Assessment</b>	SQA	1 day	29 Nov	3	3 forklift drivers
<b>Plate Press</b>	KT	1 day	21 Nov	6	6 laboratory analysts
			22 Nov	6	6 laboratory analysts
			23 Nov	4	4 laboratory analysts
<b>Mini Lab Extruder</b>	KT	1 day	21 Nov	6	6 laboratory analysts
			22 Nov	6	6 laboratory analysts
			23 Nov	4	4 laboratory analysts
<b>OJT Refrigeration Package</b>	MAYEKAWA	1 day	29 Nov	15	11 plant operators, 1 mechanical technician, and 3 shift supervisors
<b>Analyser</b>	MAYEKAWA	1 day	29 Nov	4	3 instrument technicians, and 1 analyser specialist

# QA/QC department celebrated World Quality Day



Though first promulgated by the United Nations in 1990 and first celebrated in 2008, the roots of the 'World Quality Day' are much older, dating back to the 1919 founding of the CQI (Chartered Quality Institute) who mandates to "advance the practice of quality management in all sectors".

'World Quality Day' is an annual celebration of the world's commitment to continuous improvement systems. It is celebrated annually on the second Thursday of November.

November is often declared a 'Quality Month' and companies have ample time to involve all employees in this very important event. Its purpose is to promote awareness of the important role quality plays in the successes of a company and in the development of any individual's prosperity. Quality can be defined as excellence in any act of ours and is celebrated with some basic quality-focused activities and events to initiate and encourage the implementation of quality practices around the world. Businesses across the world take part in a variety





of activities such as business-wide seminars, presentations, quizzes and competitions at their workplace. Events are usually organised by quality professionals based within companies and are designed to spread the 'importance of quality' message to non-quality professionals. For 2018, the theme of the Day is 'Quality: A question of trust'.

Opening the event held on this occasion at the SOCAR Polymer plant on November 8, the Deputy QA/QC Manager Tamara Maharramova gave a speech outlining the purpose and importance of celebrating WQD. She emphasized that in a global economy where success depends on quality, innovation and sustainability, it is vital for individuals and companies to celebrate 'World Quality Day' and to reinforce quality as the foundation of the company. William A. Forster was quoted saying "Quality is never an accident. It is always the result of high intention, sincere effort, intelligent direction and skillful execution. It represents the wise choice of many alternatives".

The floor was then given to Akif Karimov who spoke about

HSE & Quality Friendship. Among the other speakers were Elshan Heydarov, Zahid Sultanov, and Rauf Aghabayov who made presentations on Quality Assurance/Control, Quality Management, and Project Primary Quality Documents, respectively. In her turn, Zohra Mammadova presented NCR & Surveillance Statistics to be followed by a video demonstrated by Heybat Muradov.

In conclusion of the event, the following employees were awarded with certificates and gifts in appreciation of their contribution to 'Quality' based on the number of submitted NCRs and surveillance reports concerning the PP and HDPE plants:

- 1st place - Gullar Taghiyeva**
- 2nd place - Tural Mammadli**
- 3rd place - Rashad Aliyev**

Quality is celebrated in the month of November, but remember Aristotle once said: "Quality is not an act, it is a habit"!



[www.socarpolymer.az](http://www.socarpolymer.az)

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