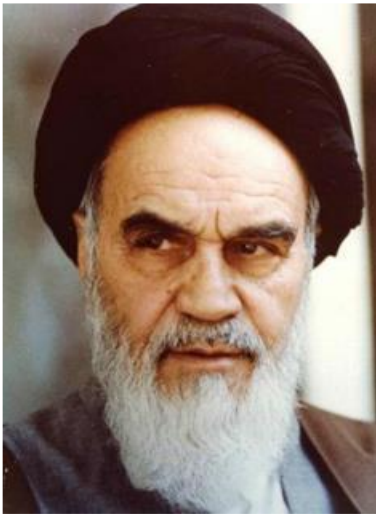


“We have to make our efforts twofold to leap ahead in industrial fields”

Ayatollah Khamenei, Supreme Leader of Islamic Republic of Iran



We (Iranians) are looking for a civilization laid on the bases of dignity, honor and humanity to upon which preserve “peace”. Imam Khomeini, Great leader of Islamic Republic Revolution





Report on Social Responsibility in Fajr Petrochemical Company

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Statement on Social Responsibility

Fajr Petrochemical Company is situated in the Especial Petrochemical- Economic Zone in the port city of Imam Khomeini in South of Iran. Its mission is to provide the regional industries with the utility requirements. Its main activities are as follows: Supplying (production and distribution) of Electricity, Steam, Treatment of industrial water, Treatment of Industrial waste waters, Decomposition of air and Oxygen and nitrogen production.

It has reduced energy consumption through applying new technologies in its power plant units and with help of reverse osmosis water recycling; and also reduced and minimized its negative effects of energy consumption on the environment as much as possible. Moreover, it has also treated the industrial waste water of the companies located in the Especial Zone by establishing two large industrial waste water treatment units and has used the treatment resulted recycled water for the irrigating the green areas of the region.

We have played an effective role in the socio-economic development of the region by multiplying our production capacity and operation; therefore nowadays keep an eye to the energy markets of the regional countries in order to increase our share and contribution in the target markets.

The company's staff spares no effort to observe standardized social responsibilities according to its development strategies. We are committed to determine any transparent mechanisms for the development of our country and to observe all environmental requirements, accordingly.

We are well aware of the any possible effects and consequences of our operations on the nearby environment.

We do our utmost to consolidate and build confidence among our customers and peripheral communities, suppliers, shareholders and personnel with honesty and transparency.

The first priority of our company is to provide the regional nations with more services, to create an atmosphere for social dialogue and interdiction and to stop socio-economic crimes, to prevent forced laboring, observing consumers' rights and justice among the personnel and staffers through paying respect to different walks of life, tribes and races of the society.

We, furthermore, commit to compliance with labor laws and safety regulations and healthcare for all personnel of the company.

We also do our best to prepare ourselves and all personnel to practice social responsibility and responsible performances in all work processes through programming, monitoring the performances and continuous improving the professional activities and finally commit to observe the content of the said law.

Ali Reza Shamim

Managing Director



- **On the Fajr Company**

Fajr Petrochemical Company was established in 1998 in the site 2 of the Especial Petrochemical- Economic Zone (EPEZ) in the Iranian port city of Imam Khomeini to supply and provide the regional industrial companies of the zone with their utility requirements, and as the only concentrated utility company in Iran, it has also been utilized and became operational in 2002. It had also developed its plans in site 2 in order to materialize the new utility plans through expanding its side-companies and further implementing the plans of the National Petrochemical Industry Company in site 2 and 3.

Here, we can refer to: Electricity, Steam, Reverse osmosis (RO) water, Demineralized water also known as Deionized (DM) water, Fire pump water, Toilet water (Service (industrial) Water), Clean water, Instrument cleaned air (Compressed Air), Service (unclean) air, Oxygen, Nitrogen and Industrial wastewater as Fair Petrochemical Company's products.

- **Fajr Petrochemical Company's perspective and outlook**

The company is to reinforce its presence in the energy markets of regional countries for further profits, to stabilize its production cycle and to satisfy the beneficiaries on the horizon of 2018.

- **Mission Statement of Fajr Petrochemical Company**

Fajr Petrochemical Company has been doing its best to meet the utility demands of the industrial companies which are active in the Especial Petrochemical Economic Zone of the port city of Imam Khomeini since 2003. It also took steps to sell the excesses electricity consumption of the companies located in the zone to neighboring countries in order to make more profits and satisfy the needs of beneficiaries to gain further profits from the target markets.

- **The Ethics in the Fajr Petrochemical Company**

- Satisfaction of beneficiaries
- Employees' responsibility and foresight
- Transparency in reporting
- Progress and Creativity

- **Fajr Petrochemical company's strategic Macro targets**

- Creating sustainable profitability
- Further fulfillment of customers' satisfaction
- Improving the production chain
- Development, commitment and improving the system of Organizational Knowledge Management

Fajr Petrochemical Company enjoys a pilot industrial waste water treatment unit with which to enable the experts all over the country to do research on the waste water treatment process.



Waste water units 1 and 2

Row	Products	Unit	Site 1	Site 2	Total
1	Low TDS waste water	M ³ /hr	460	520	980
2	High TDS waste water	M ³ /hr	70	25	95
3	Waste burning kiln	Kg/hr	4000	0	4000
	Solid burning kiln	Kg/hr	1500	0	1500
Waste Water Treatment units 1 and 2 are under the license of VATECH, WAGBAG companies respectively and SHAFAB company as well.					



Zone's Air decomposition units 1 and 2

Row	Products	Unit	Site 1	Site 2	Total
1	Gas Nitrogen	Nm ³ /hr	27000	24000	51000
2	Liquid Nitrogen	Ton/hr	1/3	3/2	4/5
3	Gas Oxygen	Nm ³ /hr	28500	12000	40500
4	Liquid Oxygen	Ton/hr	4/2	0	4/2
5	Liquid Argon	Ton/hr	37/0	0	37/0
6	Compressed air	Nm ³ /hr	15500	18000	33500
7	Service Air	Nm ³ /hr	36000	30000	66000
Air Unit in site 1 is under the license of Air Product company and Air Liquid company and in site 2 under the license of Linde company					



Water Treatment units in site 1 and 2

Row	Products	Unit	Site 1	Site 2	Total
1	Clean Water	m ¹ /hr	7000	9800	16800
2	DM Water	m ¹ /hr	1960	1560	3520
3	Ro Water	m ¹ /hr	5070	5460	10530
4	Pure Water	m ¹ /hr	250	125	375
5	Service (Toilet) Water	m ¹ /hr	400	640	1040
6	Fire Pump Water	m ¹ /hr	7000	7000	14000
Water Unit in site 1 is under the license of VATECH WABAG company and in site 2 under the license of Andishe Zolal company					

- **On Operational Units**

- Unit of Communication Line

This unit is responsible to apply and preserve the transferring lines of utility products in Fajr complex and transferring of the zone's waste water, and also is responsible to implement and execute the ground rule of the National Company of Petrochemical Industry no 1919132 for feeding and product lines of the complexes. The Unit of Communication line is operating in an area of something more than 2700 acres, 900 Kilometers of which is allocated to more than 74 liquids such as chemicals and their side services.



The satellite view of the Fajr Petrochemical Company's customers in the Economic Petrochemical Zone in the port city of Imam Khomeini.



Customers of the Fajr Petrochemical Company

Row	Name of the Company	Row	Name of the Company
1	Maroon Petrochemical	14	TakhteJamshid Petrochemical
2	Razi Petrochemical	15	Shimi Baft Petrochemical
3	Bu Ali Sina Petrochemical	16	Company of Ab-e-Niroo Petrochemical
4	Tondgooyan Petrochemical	17	Organization of Especial Zone
5	Khoozestan Petrochemical	18	Shimitex Ariya
6	Fanavaran Petrochemical	19	Bakhtar Petrochemical
7	Amir Kabir Petrochemical	20	Rejal Petrochemical
8	Karoon Petrochemical	21	Pajoohesh and Fanavari Petrochemical
9	Arvand Petrochemical	22	Eksir Shimi Petrochemical
10	Ghadir Petrochemical	23	Mahshar Tube Covering Industrial Company
11	Shahid Rasooli Petrochemical	24	Mahshar Tubing Industrial Company
12	Novid Zar Shimi Industrial Company	25	Company of Petro Pack Rapping Industry
13	Imam Khomeini Port's Administration Office	26	Terminal Companies and Petrochemical Store houses

- **Human Resources**

The most important capital and the main source of any organization is its Staff and personnel. Fajr Petrochemical Company enjoys very competent, talented and skillful personnel who could well lead this very important industry with their self-reliance and self-sufficiency. Its senior managers are doing their best to develop careers and adding to improve skills of its staff and managers with an eye to the future horizons and perspectives. They have programmed and implemented the training of competent managers and skilful personnel for the future of the economic zone and (Khoozestan) province, as well.



More than 80 percent of the Fajr company's forces are indigenous and Khoozestani natives who include its laborers, managers and experts, as well.

Official staff	Fix-Term Contracting Staff	Temporary Term Contracting Staff	Contracting Staff
288	137	193	630

The entire working staff: 1248 people

Fajr Petrochemical Company's environmental operation and its role in treatment of pollutants



Waste Water Treatment

It treats the industrial and toilet waste waters of 15 petrochemical complexes in the Especial Petrochemical Economic Zone in its waste water treatment units by concentrated biological methods just to avoid more air pollution and imposing damages to the nearby environment.

The clean water extracted from the waste water treatment is getting used for watering the green area of the EPEZ, therefore 65 percent of the required water for watering 89 hectares of EPEZ green area is getting saved, hence it will also optimize the river watering of the zone.

- Monitoring

There is also a system of continuous monitoring of all the air and waste water exhaust according to the environmental regulations in the trusted laboratories of the Department of Environment in order to make sure that the treatment processes are going ahead based on the department's standards.



The largest pilot of the country's oil industry waste water are launched for environmental protection

We are facing many problems related to environmental pollution, because of the recent years developments in the factories and industries. Water Pollution is not only causing too much disease outbreaks, but also affects the safety and the quality of limited sources of clean water, and it will also in long run, imposes irrecoverable damages to the country's socio-economic development. We can not only improve the society's health services through applying suitable methods of waste water treatment, but also to improve the productivity and efficiency of natural resources through recycling of retreated waste water and reusing it, especially in countries which suffer water shortages.

This company, as a concentrated utility, is responsible to receive all waste waters of Mahshahr EPEZ petrochemical complexes. Therefore, the Department of Research and Development of the Fajr Petrochemical Company has placed in its agenda to plan and execute the multi-purpose pilot of environmental units of wastewater treatment in two phases of planning and implementing along its strategic goals and environmental protections.

One of the most important steps to acquire and apply the technologies related to units suitable for biological treatment of waste water is to use semi-industrial units or pilots. Despite some impressive developments in the fields related to modeling of treatment process, the most important task in improving and localization of technical knowledge is to plan and apply pilot units. These sounds more vital, esp. in biological processes, because its nature which is based on experiment and unknown complexities of the mechanisms of biological treatment such as the specifications of micro-organisms, issues pertaining to phenomenon like hydraulic transformation, germs transfer and etc, made it impossible to develop a very accurate mathematical model; therefore it became inevitable to establish a pilot and do field research in this regards.

In this pilot, we can easily review and analyze all industrial and service waste waters with an advanced system of waste water treatment. All petrochemical complexes which produce

waste water can also make use of this pilot to evaluate and analyze their targeted waste waters.

We have implemented in this multi-purpose waste water treatment pilot, five biological waste water treatment processes in a single integrated unit. It means, we have integrated all processes which are normally used to be evaluated in one pilot by considering all technological aspects and theoretical dimensions of the pilots. The plan caused to impressively reduce all the expenses for finding a required space to build and establish such pilot the capacity of which is one cubic meter in an hour. It has been implemented in an area equal to 224 square meters.

The plan has been implemented to optimize the existing operational circumstances and conditions, to review the possibility of the capacity improving of the waste water treatment units, to determine some operational conditions suitable for reviewing the new waste water, to review the effects of using such a new chemical substances on the efficiency of waste water treatment, to review the possibility of modifying the existing systems for receiving new waste waters, to lay a suitable base to review and do researches in this field and to review new systems of waste water treatment.

The first innovational aspect of the pilot is to apply the knowledge of integrating five biological waste water treatment units in one single pilot. We can mention here some other innovational aspects of such pilots, such as: testing and optimizing the domestic chemical substances and materials, reducing substantially the expenses of such pilots in order to achieve such technology and optimizing the processes.

These semi-industrial units are also capable of being changed and modified to full industrial units. The process is a technical knowledge which can be easily applied in other sectors, as well. Therefore Fajr Petrochemical Company expresses its readiness to provide all experts of waste water treatment with the researches done free of charge on the pilot in order to assist all scientific, research and industrial sectors within Iran.





- **Public or general use services and activities**

Fajr Petrochemical Company has an effective role in the process of the city development. It acts according to the guidelines of its strategic council of regional managers to establish the corner stones and lay infrastructures of the cities and villages by constructing roads, mosques, reserve parks, schools, electricity related equipments and installations and other general use services. Fajr Petrochemical Company also provide annually the managers and those in charge of the provincial cities with financial assistances to enable them to spend the money in their activities, but after the getting ratification or permission from the strategic council managers to do so. In fact, they annually increase the donations to the provincial cities.

- **Interaction with Society**

The company interacts with people and the city administrators on the bases of accountability and responsibility in the following ways:

- 1- It communicates and makes interaction with city administrators through text message, telephone and holding face to face meetings and other forms of meeting and exchange views with them.
- 2- Disseminate information about activities, developments, news and reports among people through its website.
- 3- To do coordination accordingly for people and different walks of the society to visit industrial complexes but after receiving suggestions from the visitors

Moreover, the company plays a positive role to introduce the EPEZ to visitors (managers, experts, students, and different businesses), domestic and international guests to know more about the provincial city and adding to the popularity of Mahshar region and Imam Khomeini port.



- **Other services**

- 1- The income and salary of about 6000 people of Fajr Petro-chemical Company family members are directly dependent on the activities and products of the company, but more than 18000 people are indirectly using and enjoying the products of the company and consider them as a lasting honor for the industry.
- 2- The company is helping economic development of the provincial city through signing purchase contracts and providing the native contractors, local companies and the city markets with services.
- 3- To be in contact with the universities of the city and keep interacting with them.
- 4- To assist and help the needy people and the vulnerable sector of the society through the staff of the company.
- 5- To add to the development and economic progress of the city through increasing the money turnover of the company's activities all over the city.
- 6- To treat the petrochemical complexes' industrial waste water and the service waste water, as well.
- 7- Training and teaching skills to a part of the young people of the city through holding workshops, internships and recruiting them with coordination and the recommendation of universities, administrations and relevant organizations.
- 8- The company held the workgroup of environment protection in 2013 with the help of its personnel in order to develop a culture of supporting environment.

In fact, the main goals of the spontaneous work group were to announce the company's environmental concerns, teaching and training the interested people and to make any effort to find new scientific ways to recycle the materials.

** **



Awards, Certificates and Acknowledgements

- 1- Acknowledgement by Khoozestan Province Regional Electricity Department
- 2- Crystal Statue on Project Management from International Society of IPMA - 2011
- 3- Certificate of Quality Management Standards on Energy, Immunity, Health and Environment
- 4- A Four-Star Certificate of Eminence from Iran's Petrochemical Industry - 2013
- 5- Acknowledgement of Industrial Unit of the Lovers of the Environment by the Environmental Protection Organization - 2009
- 6- Statue of Top Workshops on Safty-2008
- 7- Award for the Selected Green Industrial Units – 2009
- 8- A Level 3 Certificate of Green Commitment- Award by Green Management Association
- 9- Acknowledgement plaque by the Provincial City Governor of Mahshar
- 10- Acknowledgement Plaque by Emam Khomeini Relief Foundation
- 11- Acknowledgement Plaque by Mahshar Basij
- 12- Certificate of Top Immunity Company in 2009

جوایز،
تقدیرنامه ها
و گواهی های
اخذ شده



گواهی نامه ۴ ستاره جشنواره تعالی
صنایع پتروشیمی کشور سال ۱۳۹۲



گواهینامه استاندارد های مدیریت کیفیت،
اگرزی، ایمنی، بهداشت، محیط زیست



تندیس باورین مدیریت پروژه از انجمن
بین المللی IPMA سال ۱۳۹۰



تقدیرنامه برق منطقه ای استان خوزستان



گواهینامه سطح ۳ تعهد سبز
جایزه مدیریت سبز ایران



واحد صنعتی برگزیده سبز سال ۱۳۸۸



تندیس کارگاه های برتر ایمنی سال ۱۳۸۷



واحد صنعتی دوستدار محیط زیست-تقدیرنامه
سازمان حفاظت محیط زیست سال ۱۳۸۸



گواهی حرکت برتر ایمنی
در سال ۱۳۸۷



لوح سپاس ناحیه مقاومت بسیج ماهشهر



لوح سپاس
کمیته امداد امام خمینی (ره)



لوح سپاس فرماندار
شهرستان بندر ماهشهر