Форма РКЦ-2 (Format RCC-2)
Сообщение о событиях на АС важных с точки зрения безопасности/
*Plant safety significant event message*сообщение / *message* №*1*

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| Адресат /Аddressee: | Региональный кризисный центр ВАО АЭС в МосквеWANO Moscow Centre Regional Crisis Center |
| От /From: **Bushehr NPP** |  |
| Факс /Fax: | **+987731112655** | Эл. почта / Email: | **Bnpp.ics@nppd** | Телефон / Phone: | **+987731112635** |
| Число страниц /Pages**2** |  |
| [x]  | срочно /urgently | [ ]  | требует ответа /response required | [ ]  | для ознакомления / for information | [x]  | подтвердить получение/acknowledge receipt |
| 1. Станция /Plant: **Bushehr NPP** Блок / Unit: **1**Тип РУ / Reactor type: **VVER** Страна / Сountry: **Iran** |
| 2. Возникновение события (местное время) /Event Occurrence (local time): Год/Year:2019 Месяц/ Month: 05 День/ Day: 17 Час/ Hour: 08 Мин/ Min: 30 |
| 3. Состояние реакторной установки до возникновения события / Unit status prior event: |
| **[x]**  | **На мощности /At power** | **100** | **% от ном./% of nominal** | **[ ]**  | **Горячий ост. /Hot Condition** | **[ ]**  | **Холодный ост./Cold Condition** | **[ ]**  | **Перегрузка / Refueling** |
| 4. Событие / Event:4.1 Срабатывание системы безопасности/ Safety system actuation [x]  4.2 Отказ системы безопасности / Safety system failure [x]  4.3 Отключение от энергосистемы / Loss of external grid [x]  4.4 Пожар или взрыв/ Fire or explosion [ ]  4.5 Внешняя опасность злонамеренных действий/ External human threat [ ]  4.6 Экстремальные внешние условия/ Extreme external conditions [ ]  4.7 Выход радиоактивности в пределах станции/ Release of radioactivity inside plant [x]  4.8 Выход радиоактивности за пределы станции/ Release of radioactivity outside plant [ ] 4.9 Другое/ Other [ ]  |
| 5. Описание события /Description of event:      Due to unknown reasons, one on safety valves of the pressurizer ,inside the containment, was opened and the primary circuit coolant was exiting the aforementioned valve with a approximating 100 mm diameter in the form of steam , the efforts of the operators of the Main Control Room and the I&C group for closing the opened safety valve was without any success, therefore, it led to extreme drop of pressure and volume of the Primary Circuit coolant and consequently the actuation of the Reactor emergency protection, later the plant was disconnected from the National Power Grid. Due to high leakage, the signal ∆Ts <10°С was formed, and in addition to the activation of the safety systems in the order described below, the Reactor Coolant Pumps were also shut down:1. The high pressure boron solution injection system; 2- discharging the phase 1 passive tanks into the Reactor; 3- low pressure boron solution injection system.

As a result of exit of the coolant water from the leakage point, the pressure, temperature and radioactivity of the space inside the Containment was increased, due to increase of pressure inside the Containment up to 0.3 кгс/см2 , the steel containment isolation/localization valves were closed, the valves for transfer of chemical solution to the Containment Spray System were opened and the process of spraying the solution into the Containment internal space was started, as a result , the condensation of steam occurred. |
| *(при необходимости, продолжите описание события на стр. 2 / if necessary, continue the description on page 2)* |
| 6. Последствия / Consequences: 6.1 Количество пострадавших/ Number of injured persons: 06.2 Повреждения станции/ Plant damages: [ ] 6.3 Радиационная обстановка/ Radiation situation: нормальная / normal [ ] 6.4 Повышенные уровни радиации внутри зданий станции/ Increased levels measured inside plant buildings [x]  100 мЗв/ч / mSv/h6.5 Повышенные уровни радиации на промплощадке / Increased levels measured inside the fence [ ]        мЗв/ч / mSv/h |
| 7. Надзорные органы оповещены/ Authorities informed: Да / Yes [x]  Нет / No [ ]  7.1 Население и пресса оповещены/ Public and media informed: Да / Yes [ ]  Нет / No [x]  |
| 8. Состояние энергоблока на момент сообщения / Unit status at time of message: Transition from the hot condition to cold condition |
| **[ ]**  | На мощности /At power |       | % от ном./of nominal | [ ]  | Горячий ост. /Hot Condition | [ ]  | Холодный ост./Cold Condition | [ ]  | Перегрузка / Refueling |
| 9. Отправлено: Ф.И.О. и должность / Sender and position: Khezri. K. , Manager of system managementD:\محمدی نهاد\مانورهای جامع\تمرين ارتباطي- سال 97\خضری.jpgГод/Year:2019 Месяц/ Month: 05 День/ Day: 17 Час/ Hour: 09 Мин/ Min: 00 |
| 10. Получено Ф.И.О. и должность /Receiver and position:Abbas sedghkerdar Head of Inspection Section Год/Year:2049 Месяц/ Month: 05 День/ Day:17 Час/ Hour: 09 Мин/ Min: 05 |
| 11. Направлено на станции- члены ВАО АЭС / Forwarded to member plants: Год/Year:      Месяц/ Month:       День/ Day:       Час/ Hour:       Мин/ Min:       |

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| *(при необходимости продолжите описание события здесь / if necessary, continue the description here)* |
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| Продолжение сообщения № 1 / Message No 1 (continued) |

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