1) Steam Generation & Distribution In a natural circulation boiler, water circulates through the boiler tubes due to natural thermosyphon effects. Cold boiler feedwater enters the steam drum and passes to the bottom of the boiler through downcomers. As the boiler water is heated in the riser tubes, the steam/water mixture rises back to the steam drum.

The steam separates in the drum, then leaves overhead and passes through superheaters before going to the distribution header. From there, steam may be let down and desuperheated or sent to

noncondensing steam turbines to produce lower pressure levels of steam. Steam is also produced at lower pressures by flashing high pressure condensate in a flash drum. Flash steam from

condensate can also be used as stripping steam for the deaerator. High pressure

steam is normally used to drive turbines, while low pressure steam is used for heating purposes, such as for reboilers, process heaters, deaerators, etc.

2) This manual has been developed to enable a more efficient work process to design facilities for the typical fresh water cooling system used in plants designed by KBR. In addition to reducing engineering time and schedule, the objective is to reduce

Total Installed Cost, TIC, by developing optimum “fit for purpose” designs meeting performance and safety requirements. Contingency in proposals will be reduced by more accurate design requirements to be used as a basis to estimate offsites and utility systems costs.

3) Перечень мероприятий по обеспечению выполнения требований, предъявляемых к техническим устройствам, оборудованию, **зданиям, строениям и сооружениям на опасных производственных объектах.**

Проектная документация склада горючесмазочных, лакокрасочных материалов и пенообразователя выполнена в соответствие с требованиями нормативной документации по проектированию складских зданий, санитарных требований и пожарной безопасности.

Принятые грузы должны быть предварительно отсортированы и уложены на места хранения.

Для устранения контактов материала с возможным воздействием опасных производственных факторов на работника процессы и операции механизированы.