

危险化学品仓库企业安全风险评估细则（试行）

1 General

1.1 In order to strengthen the identification and control of safety risks in hazardous chemical warehouse enterprises and implement the main responsibilities of safety production,

Improve the ability to ensure production safety, prevent and contain production safety accidents, and in accordance with relevant national laws, regulations and norms,

Develop these rules.

1.2 These rules apply to those who obtain a hazardous chemicals business license and store hazardous chemicals in warehouses (not tank areas).

Enterprises that use chemicals and constitute major hazard sources (hereinafter referred to as "enterprises"). Warehouse enterprises that do not constitute major hazard sources

Industry reference implementation.

1.3 These detailed rules are contained in the "Basic Safety Technical Requirements for Hazardous Chemicals Business Enterprises" and "Hazardous Chemicals Warehouse Storage".

General Principles" "Guidelines for the Investigation and Management of Hidden Safety Risks in Hazardous Chemical Enterprises" "Enterprises with Major Hazard Sources of Hazardous Chemicals"

Based on the "Special Safety Inspection Rules" and other relevant requirements, the relevant requirements for the investigation of enterprise safety risks have been refined and quantified.

Used to guide enterprises to carry out security risk assessment work.

1.4 The laws, regulations, standards, specifications, documents, etc. cited in these rules, quoted documents with a date, only refer to that date.

The version corresponding to the date of reference applies to this document; for undated referenced documents, the latest version (including all modifications

single) applies to this document.

2 Risk quantification and classification

2.1 The safety checklist for hazardous chemical warehouses formulated in these rules is essential for basic safety management, planning layout and overall leveling.

Check six aspects including floor layout, storage process, equipment safety, electrical and instrumentation, emergency and fire protection, and set

The total score is 1000 points. According to the hidden dangers of the problem, the rejected items are listed respectively (50 points will be deducted for each item), 20 points will be deducted.

points, deduct 10 points and deduct 5 points. Compare with the hazardous chemicals warehouse safety risk checklist and follow the point deduction instructions

Corresponding points will be deducted for the hidden problems discovered during the inspection (note: only one point will be deducted for each inspection detail, and a single inspection

No points will be accumulated for detailed rules; no points will be deducted for those not involved), to obtain the score of hazardous chemicals warehouse, to determine safety risks, etc.

class.

Hazardous chemical warehouse enterprise safety risk level table

Security risk level	Score
high	There are veto items, or the score is ≤ 700 points
higher	There are no veto items, and 700 points $< \text{score} \leq 850$ points
middle	There are no veto items, and 850 points $< \text{score} \leq 900$ points
Low	There are no veto items and the score is > 900 points

2.2 Enterprises are the main body responsible for safety risk assessment. Enterprises should use information technology to truthfully record safety risks.

Risk investigation and management status, form a list of hidden problems and rectification measures, and realize anytime inquiry, real-time tracking, and on-site inspection.

period reminder.

3 Assessment content and checklist

3.1 Security basic management security risk assessment

3.1.1 Assessment content

- (1) Implementation of the production safety responsibility system, production safety rules and regulations, and job operating procedures;
- (2) Job skills training and employment with certificates;
- (3) The establishment and operation of the safety guarantee responsibility system for major hazardous sources and the performance of the guarantee responsible persons;
- (4) The progress of the hierarchical management and control of security risks and the investigation and management of hidden dangers;
- (5) Development status of hazardous chemicals warehouse information system.

3.1.2 Security Basic Management Security Risk Assessment Checklist

The security risk assessment of security basic management can be carried out with reference to the relevant content specified in Table 3.1-1.

Table 3.1-1 Security Basic Management Security Risk Assessment Checklist

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
1	establish a comprehensive production and operation unit that matches the position and the enterprise officers have safety production responsibilities. System. Safety Responsibility Standard (Trial) "(Safety	Inspection system (inspection responsibility) "Chemical and hazardous chemicals production and operation documents, the enterprise should organization. Major production safety System) Jianzongguan 3 [2017] No. 121) that matches the structure and position settings with the accident hazard determination standards (Trial)"	Article 4 of the "Safety Production Law";			If it is not established as a rejected item, 50 points will be deducted; if other problems are found, 10 points will be deducted.

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
2	establish corresponding mechanisms to strengthen the supervision of the comprehensive safety production responsibility system (the inspection Safety assessment to ensure the implementation of the production safety responsibility system. Notice on Operations" (Security Committee Office [2017] No. 29) Article 6	inspection system and the inspection and recording office on the implementation of the responsibility system assessment shall strengthen the supervision of all employees of the enterprise) responsibility system and assessment records) and the implementation of the production safety	Article 22 of the "Work Safety Law"; "Enterprises under the State Council Safety Committee shall			20 points will be deducted if a problem is found
3	management enterprise has a sound safety production rules and General and Post Operating Procedures. Production Reward and Punishment System, Bureau No. 55) Article 6 of Safety Production Education and Training, Article 7 of Training System , hidden danger investigation and management system, safety risk management system, emergency management system, accident management system, etc., as well as specific job operating procedures for warehouse operations	Check the rules, regulations and operating procedures that are consistent with the actual situation of the enterprise, including the safety production responsibility system for all employees, the hazardous chemicals safety management system (including fire prevention, explosion prevention, poisoning prevention, leakage prevention management, etc.), safety investment The operating license regulations guarantee system, Safety Law (National Work Safety Supervision				Items without operating procedures will be rejected and 50 points will be deducted; if other problems are found, 10 points will be deducted.
4	Supervision and Implementation of Work Safety Organization Leading Body", the founding meeting or the General Administration of Work Safety will issue the document of the enterprise safety production committee (or safety work leading group, and the enterprise safety production responsibility group), which shall be chaired by the chairman or The general manager serves as the main organizational structure and the actual person who implements system five takes office. The members of the Production Safety Committee shall be held regularly (at least once a quarter) in accordance with the requirements of each member of the Work Safety Committee (General Office of Work Safety [201 Meeting Minutes 5] No. 27)	Check the establishment of the enterprise safety committee "National Safety				10 points will be deducted if a problem is found
5	(1) The enterprise shall set up a production safety inspection agency and a management agency according to the "Production Safety Law" in accordance with the law, or equip full-time production safety managers and personnel. (Check the safety management agency "National Safety Supervision					

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
	(2) There should be no establishment documents for full-time safety management personnel. Enterprises with less than 2% of the total number of employees in the enterprise (less than 50 employees) should be equipped with at least 1 person. Appointment of management personnel shall comply with the State Council's requirements for the preparation of specialized secondary schools in chemical industry or safety management related majors. Full-time safety management shall be further strengthened in enterprises. Those with a bachelor's degree or above in safety management shall have more than 2 years of general experience in production work related to chemical production related engineering personnel. . Documents or Implementation Opinions on Chemical Safety Notices" (3) Registered safety workers in hazardous directions with more than 300 employees (General Safety Supervision Manager 3 [2] Article business units shall comply with the requirements of no less than a safety engineer certificate; Chaqi 0 [0] No. 186) 15% of the total production management personnel shall be allocated to the industry personnel roster, Article 3 of Chapter 1; Registered safety engineers; fixed number of safety production managers) "If there are less than 7 registered safety engineers, at least 1 registered safety engineer shall be provided Management Regulations" (Nationally Registered Safety Engineers. Home Safety Supervision Administration Order No. 1 1 No. 63) Article 6					20 points will be deducted if a problem is found
6	establishment of hidden danger inspection content for persons responsible for major hazard sources of hazardous chemical enterprises, verification of hidden danger inspection tasks for persons mainly responsible for safety guarantee) "Notice" Responsible Person and Technical Responsible List. (Emergency Management Department's Risk Management Department, Operation Responsible Supervision Department, and Risk Management Implementation Department) Supervision Department Two, April 2023)	Enterprises, Inspection and Recording by-item comparison list,	"About Issuance of Major Inspection Accounts of Hazardous Chemical of Hazard Source Safety Guarantee (item-			10 points will be deducted if a problem is found
7	implement production safety inspection systems and inspection records (chemical and hazardous chemical inspection system for the investigation and management of hidden accident hazards, and adopt technical products production and operation documents). Verify hidden danger techniques and discover and eliminate major accidents, and check for hidden accidents and hidden dangers. The status of accident hazard investigation and management should be truthfully recorded according to the accident hazard determination standard and closed-loop management situation. Standard (Trial) (Ankuang) Article 16 of Supervision and Administration Regulation 3 [2017] No. 121	shall establish, improve, and chemical and hazardous chemical inspection system for the investigation and management of hidden accident hazards, and adopt technical products production and operation documents). Verify hidden danger techniques and discover and eliminate major accidents, and check for hidden accidents and hidden dangers. The status of accident hazard investigation and management should be truthfully recorded according to the accident hazard determination standard and closed-loop management situation. Standard (Trial) (Ankuang) Article 16 of Supervision and Administration Regulation 3 [2017]	Article 41 of the "Safety Production Law"; Enterprises			If a hidden danger investigation and management system is not established and implemented as a veto item, 50 points will be deducted; if other problems are found, 20 points will be deducted
8	The enterprise should clearly identify the main person in charge, the technical person in charge, and the person in charge of the security inspection account, inspection records and operation of each major hazardous source of hazardous chemicals in the enterprise, from the overall management and technical all-inclusive responsibility system Office (Verification and Determination of Major Hazardous Risk Law (Trial) at Three Levels of Insurance Management and Operation Management) (Documents of Responsible Persons) A safety assurance responsibility system is implemented for hazard sources. The main emergency department [2021] 12 The responsible person shall be responsible for the insured (number of major hazards to be protected) Articles 3 and 4					20 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
	Seven safety responsibilities; the technical person in charge has six safety responsibilities for the major hazard sources insured; the operation person in charge has four safety responsibilities for the major hazard sources insured.		Article, Article 5, Article 6			
9	person in charge of the State Administration of Work Safety shall be responsible for Whether An Nei has obtained the "Chemical and Hazardous Chemicals Standard" or "Chemical Industry Safety Standard" issued by the department responsible for production supervision and management of Safety Order No. 44) on its production knowledge and management regulations; Article 1 of Fang Xuepin's one-way registered safety engineering degree major production safety engineer certificate for production and operation, and it shall be within the validity period of the accident hazard determination standard) (Trial) (Work Safety Supervisor 3 [2017] No. 121)	ledgers and records "Regulations on Safety Training of Production and Business Units (Inspecting the Safety Training of Principal Persons in Charge)" 6 months after taking office (the principal	Article 27 of the "Work Safety Law"; Inspecting			If the item is rejected, 50 points will be deducted if problems are found.
10	3 Personnel List and Safety Production (1) Safety production management personnel shall be in charge of No. 0); Ability Assessment Certificate " of product knowledge and management capabilities responsible for safety production supervision and management assessment of its safety production knowledge and management The department has passed the capabilities in chemical production and operation; or major production safety in the direction of chemical industry safety (2) Enterprise special equipment operators and specially registered safety engineers accident hazard identification standard operators should obtain corresponding operations Certificate, Party Certificate; Check Special Equipment Approval (Trial) (Encore Operations. Equipment Operators and Special Supervision Manager III [2017] No. 121); List of Hazardous Chemicals Warehouses and Certificates (such as high and low warehouse storage) General Principles (G-voltage and explosion-proof electricians,	Check safety management personnel and special equipment workers according to Article 27 of the "Production Safety Law"; Check the "Special Operation Personnel Accounts and Qualification Certificates" of the Professional Personnel Management Station (Check the Regulations on the Management of Safety Technical Training and Examination of Safety Administration of Work Decree No. Production Managers) (State				If the item is rejected, 50 points will be deducted if problems are found.
		the Forklift Operator Certificate, etc., shall be within the validity period)	B 15603-2022) Article 12.2 of			

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
11	and establish a training system for all employees, and check the records of the "Work Safety Law" for employees (check training regulations, standards, job skills, safety, Article 27; plans, training records, personal protection, emergency response and other training, assessment of "Hazardous Chemicals Warehouse Assessment Results; Job Operations after Qualification; General Rules for Warehouse Storage with Qualification Requirements" (G be equipped with corresponding qualifications in accordance with the law B 15603-2022) Qualifications of professional personnel. 12.1)	Check certificates, check ledgers, of the "Work Safety Law" for employees (check training regulations, standards, job skills, safety, Article 27; plans, training records, personal protection, emergency response and other training, assessment of "Hazardous Chemicals Warehouse Assessment Results; Job Operations after Qualification; General Rules for Warehouse Storage with Qualification Requirements" (G be equipped with corresponding qualifications in accordance with the law B 15603-2022) Qualifications of professional personnel. 12.1)	Qualification-required positions should			10 points will be deducted if a problem is found
12	personnel working in hazardous chemical warehouses should be able to check on-site (check training "Content records of safety technical instructions for hazardous chemicals warehouse solutions should include general rules for safety warehouse storage" (G) and master risk prevention measures, Master the operational skills contained in the technical instructions for job operations B 15603-2022). Verbally ask current employees in Article 12.3)	Check ledgers, records, and	records of safety technical instructions			Deduct 5 points if a problem is found
13	Enterprises should follow the safety risk hierarchical management and control and audit ledger (Risk Check "Requirements for Hazardous Chemical Enterprise Hidden Hazard Investigation and Management Work Requirements", highlight major hierarchical reports and sources of hidden safety risks in the industry, and adopt lists, control measures, and Guidelines for Investigation and Governance" implement effective management and control measures, record hidden dangers and make rectifications of the investigated accident hazards (Emergency [2019] 7 Implement rectification and establish a ledger. Ledger No. 8)					10 points will be deducted if a problem is found
14	sources, establishment of records of persons responsible for safety assurance of major hazard sources, covering the assurance responsibility system office, regular assessments, and inclusion of various duties and laws of performance management responsible persons)" (Trial)" (Should be managed. Responsibilities should be assessed and recorded in Emergency Department [2021] 12) Article 9	Hazardous Chemicals (inspection and performance of occupational major hazard sources, covering the performance records of the comprehensive management responsible persons)" (Trial)"	"Enterprise Inspection Records of performance of occupational major hazard sources, covering the performance records of the comprehensive management responsible persons)" (Trial)"			10 points will be deducted if a problem is found
15	Hazardous Chemicals" (National (1) General Administration of Work Safety Order No. 4 Signs of the General Administration of Safety Supervision on Setting Up Major Hazardous Source Sites, Main Responsible Persons for Major Hazardous Sources No. 0); Article 18; Person, The technical person in charge, the person in charge of operations, and the on-site inspection team (on-site inspection personnel). "Hazardous chemical enterprise insurance responsibilities and contact information have been publicly announced at major hazard sources. See safety warning signs for major hazard sources and safety sources. It should be clear and standardized, and all inspections should be carried out at all times." Responsibility Office (2) Units that store hazardous chemicals should set up obvious safety signs in their workplaces and safety facilities and equipment according to the Major Hazard Sources Law (Trial) (should be publicized in their workplaces and safety facilities and equipment) Emergency Department [2021] 12 Warning signs and symbols) Article 7; Comply with the provisions of GB 2894 and AQ 3047. "Regulations on the Safety Management of Hazardous Chemicals" (State Council Order No. 591) Article 20;		Article 18 of the "Interim Provisions on the Supervision and Management of Major Hazardous Sources of			10 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
			Article 11.2.1 of "General Rules for Storage of Chemical Warehouses" (GB 1560 3-2022); "Guidelines for Safety Signs and Their Use" GB 28 94-2008; "Specifications for Safety Warning Signs in Chemical Workplaces" AQ 3047-2 013			
16	educational background of the personnel (check starting from May 2020, new operators of storage facilities involving major hazardous sources must have a high school degree or above or a chemical engineering technician) Do you have high school Secondary and Above Vocational Education Level; Starting from May 2020, the third year of the special rectification of chemicals safety, the National Insurance Operator level of storage facilities for hazardous chemicals; if it involves the "Hazardous Chemicals Directory of Safety Committee [202 members must have a college degree in chemical engineering or above" 0] No. 3 certificate. Existing personnel who do not meet the above requirements It should reach the corresponding level by the end of 2022 in the <2015 Edition>. Those identified as explosives need a college degree or above in chemical engineering)	Check the ledger, check the records, and check the	"Hazardous Chemical Safety			20 points will be deducted if a problem is found
17	Enterprises should conduct training on the management of major hazard sources and "Inspection and recording of safe operation skills and supervision of major hazard sources for personnel in heavy operations of hazardous chemicals, so that they understand the dangers of major hazard sources" (Interim Provisions on the Management of Major Hazard Sources) (National characteristics, special training records for familiarity with the safety management regulations of major hazardous sources) Chapter 4 of the Order of the State Administration of Home Work Safety and the systems and safe operating procedures. No. 0) Article 17					10 points will be deducted if a problem is found
18	When enterprises carry out identification and classification of major hazard sources, they should meet the requirements of national standards and comply with the enterprise's "Hazardous Chemicals Heavy Practices". Identification of Major Hazard Sources" (G. Major Hazard Source Assessment. For major hazard sources that meet the following conditions, B 18218-2018) assessment report and identification should be carried out again for identification, safety assessment and classification. Article 4.2.2: Process, hazard Chemical grade: "Interim Provisions on the Management of Hazardous Chemicals" National Design Document (1) The safety assessment of major hazard sources has reached the maximum amount determined by the supervision and management of the three major hazard sources; (2) The actual presence of hazardous chemicals constitutes a major hazard. Source facilities or State No. 40) Article 11 Administration of Work Safety Order					20 points will be deducted if a problem is found
	The site is newly built, renovated or expanded; (3) Type and quantity of hazardous chemicals or					

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
	Changes in storage methods, important equipment and facilities, etc., affect the level or risk level of major hazard sources; (4) Changes in external production safety environment factors affect the level and risk level of major hazard sources; (5) Hazardous chemical accidents occur Causing death, or injuring more than 10 people, or affecting public safety; (6) Changes in national and industry standards related to identification of major hazard sources and safety assessment.					
19	shall withdraw and use "safety production expenses for enterprise the production conditions for the withdrawal and use of safety inspection ledgers and inspection record Production Safety Expenses" (Finance (2) Enterprises should reasonably use the production safety establish a production safety expense ledger and indicate the use account) Article 21 , Second usage 12, Article 45, Article 46	safety production in accordance with regulations, specifically for improving fees ("Measures for the Management of expense extraction plan, use [2022] No. 136); of safety production expenses. Article	Article 23 of the "Work Safety Law"; (1) Enterprises			20 points will be deducted if a problem is found
20	Enterprises should establish a contractor management system, industry to clarify contractor prequalification, selection, safety process supervision, performance evaluation , record, check and supervision renewal and other requirements and sign a special No. 8 with the contractor), Agreement, the agreement, the scope and responsibilities of both parties' safety management	Inspection system and records (1) (Inspection of Contractor Management "About strengthening the chemical system and implementation of process safety management training, operation consult with the contractor's Guiding Opinions (requirements such as safety them. Safety Management Director III [2013] 8 (2) The enterprise should should specify the safety management agreement, clarify the safety Article 21. Scope and responsibilities)	About strengthening the chemical management training, operation [2013] 8 (2) The enterprise should			10 points will be deducted if a problem is found
	(1) The enterprise should conduct factory entry safety training and education for all contractors, and issue factory entry certificates to all contractors who pass the assessment. It is prohibited to enter the factory without safety training. Safety personnel before entering: Guiding Opinions" (Safety Supervision Training Record, now (2) Before entering the work site, the work site general manager 3 [2013] 8 Site Safety Report No. 8) Article 20, The grassroots unit shall conduct safety training and education and on-site safety disclosure for contractor personnel; Article 21 (3) Keep records of and on-site safety disclosure.	the factory without safety training. Safety personnel before entering: Guiding Opinions" (Safety Supervision Training Record, now (2) Before entering the work site, the work site general manager 3 [2013] 8 Site Safety Report No. 8) Article 20, The grassroots unit shall conduct safety training and education and on-site safety disclosure for contractor personnel; Article 21 (3) Keep records of				10 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
	<p>accordance with national standards for fire and entry-operated operation management systems, approved (Trial)" (Safety Regulations) The management system for special operations such as space, system inspection and approval of special operations Supervisor III [2017] should be effectively implemented. Procedures, Operation Ticket No. 121) Article 18; Records should comply with GB 3 "Hazardous Chemicals Enterprise 0871 Specification Requirements) Enterprise Special Occupational Safety Code (GB 3087 1-2022)</p>	<p>Inspection System, Inspection Records, Major Production Safety Inspection Sites (Special Accident Hazard Determination Criteria should be formulated in accordance with national standards for fire and entry-operated operation management systems, approved (Trial)" (Safety Regulations) The management system for special operations Supervisor III [2017] should be effectively implemented. Procedures, Operation Ticket No. 121) Article 18; Records should comply with GB 3 "Hazardous Chemicals Enterprise 0871 Specification Requirements) Enterprise Special Occupational Safety Code (GB 3087 1-2022)</p>	<p>"Chemical and Hazardous Chemicals Production and Operation Single Inspection System, Inspection Records, Major Production Safety Inspection Sites (Special Accident Hazard Determination Criteria should be formulated in accordance with national standards for fire and entry-operated operation management systems, approved (Trial)" (Safety Regulations) The management system for special operations Supervisor III [2017] should be effectively implemented. Procedures, Operation Ticket No. 121) Article 18; Records should comply with GB 3 "Hazardous Chemicals Enterprise 0871 Specification Requirements) Enterprise Special Occupational Safety Code (GB 3087 1-2022)</p>			<p>If the system is not formulated or the formulation is not implemented as a veto item, 50 points will be deducted; for other issues, 20 points will be deducted.</p>
	<p>A hazardous chemicals storage information management system should be established, with hierarchical requirements based on storage volume, and real-time recording of basic operational data, including but not limited to: (1) Hazardous chemicals entry and exit records, including but not limited to: time, variety, product name, "Quantity of Hazardous Chemicals Warehouses; General Rules for Warehouse Storage" (G (2) Identify chemical safety technical specifications, check ledgers, and check on-site B 15603-2022) The fire extinguishing media, emergency and fire protection requirements as well as hazardous characteristics, physical and chemical properties, handling and systems required in Article 4.2 of the Information System, should be equipped with the "Precautions and Taboos for Storage of Hazardous Chemicals", etc. As well as the possible contents required by the functional enterprise security technology related to the security compatibility matrix; Function) Basic Requirements" (GB 18265-2019) Article 4.2.5 (3) Information on the types, quantities, distribution within the warehouse, packaging forms and other information of hazardous chemicals in stock; (4) Prohibited storage conditions of hazardous chemicals in stock; (5) Safety and emergency measures for hazardous chemicals in stock. The data retention period shall not be less than 1 year, and shall be backed up off-site in real time.</p>					<p>20 points will be deducted if a problem is found</p>
	<p>The hazardous chemicals information system should have an interface to the business information system of the relevant local regulatory authorities.</p>		<p>Article 4.4 of "General Rules for Warehouse Storage of Hazardous Chemicals" (GB 15603-2022)</p>			<p>10 points will be deducted if a problem is found</p>
25	<p>should establish facilities, equipment, equipment inspection and maintenance System and Daily Warehouse Operations, Control Inspection Records B 15603-2022) and other operating systems. Article 11.1.1</p>		<p>"Hazardous chemical warehouses systems, inspection ledgers, general rules for warehouse storage" (G Maintenance 15603-2022) and other operating systems. Article 11.1.1</p>			<p>Deduct 5 points if a problem is found</p>

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
26	enterprises should formulate a change management system and implement a change management system to further strengthen enterprise safety change management procedures. Implementation Opinions of the "Notice on the Measurement, Inspection and Change Record of All Production Work" (Work Safety Supervisor 3 [2 010] No. 186)		"On the Implementation of Hazardous Chemical Enterprises", the State Council stipulates that			10 points will be deducted if a problem is found
27	should register and system-based personnel entering the storage area. General Rules for Entry Safety Notification. The notification should include the main	Check records and on-site inspections (check outsider registration or electronic registration)	"Hazardous chemical warehouses Warehouse Storage" (G Safety B 15603-2022) Risk factors, protection measures in Article 11.2.3, emergency evacuation, etc.)			Deduct 5 points if a problem is found
28	entering the warehouse area, and take fire prevention measures or electronic registration systems" (G	"Hazardous chemical warehouses should manage the registration and management of vehicles in fire arresting state 11.2.4)	B 15603-2022) No. 1 firearm and			Deduct 5 points if a problem is found

3.2 Safety risk assessment of planning layout and general layout

3.2.1 Assessment content

(1) Check whether the planned location of the warehouse complies with regulations and standards;

(2) According to the "Method for Determining the External Safety Protection Distance of Hazardous Chemical Production Equipment and Storage Facilities" (GB/

T 37243-2019), evaluates the external safety protection distance of warehouse storage enterprises that constitute major hazard sources of hazardous chemicals,

Check whether there are unacceptable risks;

(3) Check whether the fire separation distances of internal buildings (structures) in the warehouse comply with standard specifications.

3.2.2 Planning Layout and General Plane Safety Risk Assessment Checklist

Risk assessment of planning layout and general layout can be carried out with reference to the relevant content specified in Table 3.2-1.

Table 3.2-1 Safety risk assessment checklist for planning layout and general layout

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
29	Hazardous Chemicals (1) National Storage Regulations for Hazardous Chemicals" (State Council Order No. 591) Implement overall planning and rational layout; Check approval documents and check safety Article 11; (2) Hazardous chemical warehouses It should comply with this evaluation report and find out the "Urban and Rural Planning of Safe Areas for Hazardous Chemicals Business Enterprises, and the location should be far away from the market (warehouses should be located in all technical basic requirements" (GB182) The minimum frequency of wind all year round in areas and residential areas. Local People's Government 65-2019) Article 4.1.1; the upwind side of the	warehouses should comply with GB 50016, GB (domain) Standards for warehouse planning, site selection, construction, installation, production and storage areas" (GB15603-2022) Requirements of Section 18265. Article 4.1	"Regulations on the Safety Management of Hazardous Chemicals" (State Council Order No. 591) Implement overall planning and rational layout; Check approval documents and check safety Article 11; (2) Hazardous chemical warehouses It should comply with this evaluation report and find out the "Urban and Rural Planning of Safe Areas for Hazardous Chemicals Business Enterprises, and the location should be far away from the market (warehouses should be located in all technical basic requirements" (GB182) The minimum frequency of wind all year round in areas and residential areas. Local People's Government 65-2019) Article 4.1.1; the upwind side of the			20 points will be deducted for those who discover problems and are not in the chemical industry park or the hazardous chemicals storage area planned by the government.
30	go through formal design or issue a safety design diagnosis Document, involving "two "About carrying out special construction projects to improve the intrinsic safety level of hazardous chemicals" in the field of requiring action" (The safety supervisor must have the corresponding Class A III [2012] No. 87 qualification)	Check the design documents (Check the "Chemical and Hazardous Chemicals Production Units with Petroleum and Chemical Business Units' Major Production Safety Works and Pharmaceutical Design Accident Hazard Judgment Standards (Trial)" design documents or (Safety Supervisor III [2017] 121 construction projects Should go through formal design or issue a safety design diagnosis number) Article 10; Carry out safety design diagnosis.	Design Accident Hazard Judgment Standards (Trial)" design documents or (Safety Supervisor III [2017] 121 construction projects Should go through formal design or issue a safety design diagnosis number) Article 10; Carry out safety design diagnosis.			If rejected, 50 points will be deducted.
31	During the detailed design and construction and installation stages of a construction project, if an enterprise encounters any of the following "Hazardous Chemicals Construction Project Safety", the company shall re-examine the design, such as re-examination of the approval document or the design of the major changes in the design, such as re-examination of the approval document or the design of the	Supervision and Management of Inspection and Design Documents (National Approval: (1) Changes in the design of safety facilities and may be consistent with Article 10 of the General Administration of Work Safety Order No. 45) to reduce safety performance; (2) Redesign during construction.	Supervision and Management of Inspection and Design Documents (National Approval: (1) Changes in the design of safety facilities and may be consistent with Article 10 of the General Administration of Work Safety Order No. 45) to reduce safety performance; (2) Redesign during construction.			If the item is not resubmitted for approval, it will be rejected and 50 points will be deducted.
32	The fire protection distance of hazardous chemicals warehouses should be in accordance with Article 4.1.2 of the "Basic Technical Requirements for Safety of Hazardous Chemicals Business Enterprises GB 50016 and GB 55037" (GB 18 Line. Hazardous Chemicals Warehouses and Railway Safety 265-2019); Inspection safety assessment reports full protection distance, and "Code for Fire Protection Design of Buildings" (G Report, General Facilities, Oil and Gas Pipelines, Electricity B 50016-2014) (2018 edition) for highways, radio and television (compare with the general plan) The distance between power facilities should comply with regulatory requirements. Article 3.5.1, Article 3.5.2; On-site measurement of the storage quantity of fire-proof hazardous chemicals constituting a major "General Code for Fire Protection in Buildings" (G distance) Hazardous chemical warehouses with dangerous sources should also be B 55037-2022) Article 3.1.2 Meet the requirements of Article 19 of the "Regulations on the Safety Management of Hazardous Chemicals". "Hazardous Chemicals Safety Management Regulations"					Regional overhead power lines that pass through the warehouse area and do not meet the requirements of national standards will be rejected.

serial number	Check content	Check method	Check basis	Inspection actual score	Point deduction instructions
			"Example" (State Council Order No. 591) Article 19; "Standards for Determination of Major Production Safety Accident Hazards for Chemical and Hazardous Chemicals Production and Operation Units (Trial)" Work Safety Supervision General Manager III [2017] No. 121 Article 9		50 points will be deducted, and 20 points will be deducted for other questions.
33	facilities involve toxic gases or flammable gases, and the sources of hazardous chemicals 3-2019) Article 4.1, 4.3, and Article 4.4 of GB/T 37243. The risk assessment method calculates the external safety protection distance for the storage of hazardous chemicals warehouses. "External Security Inspection Safety Assessment Report" (GB 15603-2022) The full protection distance should meet the requirements of individual risk benchmarks determined in accordance with GB 368 hazardous chemicals production requirements. When calculating the quantitative risk assessment method, the operating unit's major production safety events should use the most dangerous hazard determination standards for potentially stored hazardous chemicals (Trial) to calculate a large number of external safety protection distances. (Work Safety Supervisor 3 [2017] No. 121) Article 3; "Risk Baseline for Hazardous Chemical Production Equipment and Storage Facilities" (GB 36894-2018) Chapter 3	distance is determined by methods" (GB/T 3724 Which constitute major hazard Warehouses shall also adopt quantitative methods in accordance with Article 2, Article method calculates the external safety protection distance for the storage of hazardous chemicals warehouses. "External Security Inspection Safety Assessment Report" (GB 15603-2022) The full protection distance should meet the requirements of individual risk benchmarks determined in accordance with GB 368 hazardous chemicals production requirements. When calculating the quantitative risk assessment method, the operating unit's major production safety events should use the most dangerous hazard determination standards for potentially stored hazardous chemicals (Trial) to calculate a large number of external safety protection distances. (Work Safety Supervisor 3 [2017] No. 121) Article 3; "Risk Baseline for Hazardous Chemical Production Equipment and Storage Facilities" (GB 36894-2018) Chapter 3	Article 4.1.4 of "Basic Safety Technical Requirements for Enterprises Operating Hazardous Chemicals" (GB 18 265-2019); "Exterior safety protection distances of hazardous chemicals production units and storage distance is determined by methods" (GB/T 3724 Which constitute major hazard Warehouses shall also adopt quantitative methods in accordance with Article 2, Article method calculates the external safety protection distance for the storage of hazardous chemicals warehouses. "External Security Inspection Safety Assessment Report" (GB 15603-2022) The full protection distance should meet the requirements of individual risk benchmarks determined in accordance with GB 368 hazardous chemicals production requirements. When calculating the quantitative risk assessment method, the operating unit's major production safety events should use the most dangerous hazard determination standards for potentially stored hazardous chemicals (Trial) to calculate a large number of external safety protection distances. (Work Safety Supervisor 3 [2017] No. 121) Article 3; "Risk Baseline for Hazardous Chemical Production Equipment and Storage Facilities" (GB 36894-2018) Chapter 3		If the safety protection distance is not evaluated and calculated, and the protection distance does not meet the standards, it will be rejected and 50 points will be deducted; for other questions, 20 points will be deducted.
34	Category A and B warehouses should not be set up underground or semi-underground.		B 55037-2022) Article 4.2.1		20 points will be deducted if a problem is found
35	general code for Class A and B warehouses and the "General Code for Building Fire Protection" for the storage of Class C combustibles (Figure G). The warehouse single or multi-story building.	Check the site (compare the for Building Fire Protection" for the storage of Class A liquids should be a building)	B 55037-2022) Article 4.2.5 is a single-story		20 points will be deducted if a problem is found
36	Fireproof partitions or warehouses in the warehouse should be separated by firewalls. Fireproof partitions or warehouses in Category A and B warehouses should be separated by firewalls without any openings.	Protection" (G Site Investigation	Article 4.2.6 of "General Code for Building Fire Protection" (General Investigation Plan B 55037-2022)		20 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Inspection actual score		Point deduction instructions
37	There should be no employee dormitories or other buildings not directly related to the operation and management of the warehouse. In Class A and B warehouses, offices, lounges and other auxiliary information rooms should be set up without site inspection and design inspection, and should not be adjacent to offices, lounges and other auxiliary rooms and other places.		Article 4.2.7 of "General Code for Building Fire Protection" (GB 55037-2022)			20 points will be deducted if a problem is found
38	(G The construction of hazardous chemicals warehouses should comply with GB Safety Assessment Report B 50016-2014) (2018 50016, GB 55037 Floor layout, report, general drawing inspection, plate inspection) Article 3.5.1, Article 3.5. Warehouse building structure, fire resistance grade, safety site (inspection of fire inspection 2 items; full evacuation, fire protection facilities, electrical , whether the approval document is consistent with the actual "General Code for Building Fire Protection" (G wind and air conditioning requirements. B 55037-2022) Article 3.2.2, Article 3.2.3, Article 7.1. 6, Article 8.1. Article 1, Article 9.1. 1, Article 9.3.1, Article 9.3. 2, Article 9.3.3		Article 4.2.1 of "Basic Safety Technical Requirements for Enterprises Operating Hazardous Chemicals" (GB 18 265-2019); "Code for Fire Protection in Building Design"			20 points will be deducted if a problem is found

3.3 Storage process safety risk assessment

3.3.1 Assessment content

- (1) Loading, unloading and stacking conditions in hazardous chemicals warehouses;
- (2) The entry, exit and storage operations of hazardous chemicals warehouses;
- (3) Controlled storage varieties and quantities of hazardous chemicals, and storage of contraindicated substances.

3.3.2 Storage process safety risk assessment checklist

The storage process risk assessment can be carried out with reference to the relevant content specified in Table 3.3-1.

Table 3.3-1 Storage process safety risk assessment checklist

serial number	Check content	Check method	Check basis	Check actual score		Point deduction instructions
39	Storage should be classified and classified according to national standards. (1) Check the design documents to confirm that "Chemical and Hazardous Chemicals"					Excessive quantity, super quality

serial number	Check content	Check method	Check basis	Check actual	score	Point deduction instructions
	<p>Hazardous chemicals should not be stored in excess quantities or in excess quantities. Production and operation units must store hazardous chemicals that exceed the category of hazardous fire hazards in the warehouse. Items that are taboo in major production safety accidents must not be mixed and stored together. (2) Check the on-site storage quantity and risk determination standards (whether the test volume and variety exceed the approved limit)</p> <p>(Work Safety Supervision Supervision and Operation Permit Storage No. 3 [2017] 121)</p> <p>quantity and permission scope; Article 20; (3) Adopt stacking storage method "Warehouse style of hazardous chemicals, in accordance with General Principles for the Storage of Goods Safety Technology" (GB 15 Technical Instructions and "Hazardous Chemicals 603-2022") Article 5.1, General Principles for the Storage of Chemical Warehouses G 5.3 and 5.5; B 15603-2022 Appendix A "General Rules for the Storage and Storage of Inhibited Objects in Hazardous Chemical Warehouses" (GB156; 03-2022) Appendix A (4) If shelf storage is used, prohibited items should be stored in shelves that are not in the same row or adjacent to each other. Different fire extinguishing methods should be stored separately; (5) Isolated storage: Check the stacking isolation storage method, the stacking area of isolated storage shall not be greater than 150 m², and the stacking distance that can be mixed shall not be less than 1 m; According to the hazards of chemicals Classification, the storage table is "divided", and the stacking distance is not less than 2 m; (6) Separated storage: Check if the stacks are stored separately, involve prohibited items or have different fire extinguishing methods, and check whether effective separation is carried out (Partition or wall); (7) Separate storage: The inspection permit scope includes highly toxic substances, flammable gases, oxidizing gases, acute toxic gases, substances and mixtures that release flammable gases when exposed to water, chlorates, Perchlorate, nitrite, sodium peroxide, hydrogen peroxide, bromine</p>					<p>Storage of hazardous chemicals, mixing and storing items that are prohibited from each other is a rejected item, and 50 points will be deducted; other questions will deduct 20 points.</p>

serial number	Check content	Check method	Check basis	Check	actual score	Point deduction instructions
		Whether the elements are stored in different buildings or in different rooms of the same building;				
40	should select inspection sites that meet the requirements of hazardous chemicals (compare safety technical characteristics, fire protection requirements and general rules for the safety and storage of chemicals" (GB 15 Technical Instructions See Storage Requirements in the Full Technical Instructions 603-2022) Item 5.2) warehousing facilities for storage. strip		"Hazardous chemical warehouses			10 points will be deducted if a problem is found
41	in hazardous chemicals warehouses should meet the 15 Hazardous Chemical Classification, Packaging, and requirements. strip	hazard inspection site (Contrast the General Principles of Safety Technical Storage" (GB Storage Technical Instructions Inspection Site)	"The storage of hazardous chemicals 603-2022) method 5.4 and fire protection			10 points will be deducted if a problem is found
42	For reused dangerous chemical packages and containers, the user shall inspect them before reusing them; if any safety hazards are found, they shall inspect the site and record the repairs or replacements. inspection status, and the record retention period shall not be less than 2 years.	The user unit shall record the	Article 18 of the Regulations on the Safety Management of Hazardous Chemicals			Deduct 5 points if a problem is found
43	equipment is properly stored before storing hazardous chemicals in hazardous chemicals warehouses" (GB 15 603-2022 for normal use, natural ventilation) Chapter 11.3. Spot inspection Video record) 1 item	Check the site (with forced ventilation) "General rules for checking whether the	(GB 15 Ventilate the warehouse first.			10 points will be deducted if a problem is found
44	Hazardous chemicals should be stacked neatly, firmly, and without inversion; fire inspection site equipment, safety signs, and passages should not be blocked.	safety facilities,	Article 6.2.1 of "General Rules for Warehouse Storage of Hazardous Chemicals" (GB 15 603-2022)			Deduct 5 points if a problem is found
45	Except for steel drums and gas cylinders of 200 L and above, other packaged chemicals should not be in direct contact with the ground, and the bottom height should not be less than 10 cm.	direct contact with	Article 6.2.2 of "General Rules for Warehouse Storage of Hazardous Chemicals" (GB 15 603-2022)			Deduct 5 points if a problem is found
46	Stacking should comply with packaging marking requirements; On-site inspection (excluding pallets, etc.) Beyond the Height of Hazardous Carriers in Hazardous Chemical Warehouse Packaging Without Stacking Marks" (GB 15 The stacking height of academic products should not exceed 3 m. The height of the yard does not exceed 3 m; 603-2022) Article 6.2. (excluding the height of pallets, etc.). 3 items per layer carried by shelves		"General Rules for Storage of Goods			10 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Check actual score		Point deduction instructions
		The net height of the cargo does not exceed 3 m)				
47	<p>On-site inspection (goods on shelves should be carried on load-bearing pallets)</p> <p>(1) When shelves are used for storage, they should be tied and fixed; the shelves and surrounding areas should be placed on pallets and fixed measures should be taken to surround them with anti-collision fences and "Hazardous Chemical Warehouse Facilities"; loading should be According to the supplier's regulations, corner guards, etc., and the shelves have no clear storage general rules (GB 15 loading method, unit load shows tilt and deformation, Safety 603-2022) Section 6.2. should not exceed the rated load; accessories are not missing); check Record 4 items; (2) Records should be set up on and around the shelves (check the professional third-party organization's "Regulations on the Use of Storage Shelves and enterprises designate dedicated personnel for inspection" (GB/T 33454-) (3) Regular annual inspection of shelves: the above Check the shelf should include Articles 4.10 and 6.2. Professionals should conduct a comprehensive inspection of inspection report records every 3 to 5 years Article. Check and issue a formal written inspection report on verticality, safety bolts, protective appearance, fasteners, and columns 3.2 inspection indicators should meet the shelf design requirements) accessories, etc. The</p>					Deduct 5 points if a problem is found
48	<p>The stacking spacing in the warehouse should meet the following "Requirements for Hazardous Chemical Warehouses: General Principles for Storage" (GB 15 (1) Main channel \geq 200 cm; 603-2022) Section 6.2. On-site inspection (Article 5 for stacking storage; (2) Wall Spacing \geq 50 cm; (3) Column spacing \geq 30 cm; Warehouses must comply with all spacing requirements of the "Fire Safety Safety of Storage Places (4) requirement) General Management Stacking Spacing \geq 100 cm (implemented for each Principles" (XF The area of the stack should not Greater than 150 m 1131-2014) Article 6.8. 7); (5) Lamp distance \geq 50 cm.</p>					20 points will be deducted if the wall distance of the shelf warehouse is insufficient, and 20 points will be deducted if problems are found in the stacking warehouse.
49	<p>The name, specification and quantity of hazardous chemicals entering the warehouse should be checked for consistency with the site inspection, inspection records or documents of the warehouse entry information.</p>		Article 7.3 of "General Rules for Warehouse Storage of Hazardous Chemicals" (GB 15 603-2022)			Deduct 5 points if a problem is found
50	<p>The packaging of warehousing items should be intact, and the inspection site signs and safety labels should be standardized and clear.</p>		Article 7.4 of "General Rules for Warehouse Storage of Hazardous Chemicals" (GB 15 603-2022)			Deduct 5 points if a problem is found
51	<p>Warehousing items should be accompanied by a Chinese chemical inspection site (Inspection Site Chemical "Safety Technical Instructions for Warehouses of Hazardous Chemicals and Safety Technical Instructions for Safety Products, General Principles for Storage" (GB 15) labels. Or there may be labels for easy access to chemicals 603-2022) Section 7.5</p>					10 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Check actual score	Point deduction instructions
		Safety data sheet for electronic equipment)			
52	The stacking status and packaging of items should be inspected regularly and recorded (GB 15 On-site inspection (inspection records)). Problems found during inspections should be dealt with and 603-2022) Chapter 8.2 for processing, strip				Deduct 5 points if a problem is found
53	The number of daily temperature and humidity observations in the warehouse should be determined based on the characteristics of stored hazardous chemicals and climatic conditions, and on-site records should be recorded. The temperature and humidity in the warehouse should be correctly adjusted and controlled according to the characteristics of the stored hazardous chemicals.		"General Rules for Warehouse Storage of Hazardous Chemicals" (GB 15 603-2022) Article 8.3, Article 8.4		Deduct 5 points if a problem is found
54	Barrel opening, sampling, packaging, and modification operations are prohibited in the storage warehouse.	Inspection site (Inspection site prohibits "General Rules for Opening, Sampling, and Storage of Hazardous Chemicals in Warehouses" (GB 15 Packaging and other operations, check whether 603-2022) Article 11.3. There are relevant work tools) Article 3			20 points will be deducted if a problem is found
55	(1) should conduct document inspection and site inspection (for 603-2022) in accordance with the General Principles for the Safety Technical Storage of Chemicals (GB 15 Technical Instructions and Loading and Unloading Requirements), and instructions of the loading and unloading management personnel. Chemical Safety Technology Article 1, Article 6.1.2; Carry out under on-site command or supervision; Check the technical instructions for on-site work "Safety of Hazardous Chemicals (2)" should be handled with care, do not operate the situation, review the video supervision management Regulations (State Affairs should be dragged, rolled, hit, rubbed, controlled and videotaped) Court Order No. 591) throwing, squeezing, etc. Article 44		"Hazardous Chemicals Warehouse General Principles for the Safety Technical Storage of Chemicals (GB 15 Technical Instructions and Loading and Unloading Requirements), and carry out hazardous operations under the instructions of the loading and unloading management personnel. Chemical Safety Technology Article 1, Article 6.1.2; Carry out under on-site command or supervision; Check the technical instructions for on-site work "Safety of Hazardous Chemicals (2)" should be handled with care, do not operate the situation, review the video supervision management Regulations (State Affairs should be dragged, rolled, hit, rubbed, controlled and videotaped) Court Order No. 591) throwing, squeezing, etc. Article 44		10 points will be deducted if a problem is found
56	(1) Hazardous chemical storage units should establish a complete personal protection inspection system, inspection records, and inspections, and should configure a safe and effective individual site (inspection personal protection system "Hazardous Chemical Warehouse Protective Equipment" and comply with GB 39800. Check the General Principles for Hazardous Storage of Chemicals (requirements of GB 15 1 and GB 39800.2; 603-2022 for personal protection based on characteristics), Article 10.1 (2) Employees should have professional training records; On-site operations, Article 10.2 Personnel should wear standardized Protective knowledge training, and corresponding protective equipment should be worn correctly according to the dangerous characteristics of the work object).		"Hazardous Chemicals Warehouse General Principles for the Safety Technical Storage of Chemicals (GB 15 Technical Instructions and Loading and Unloading Requirements), and carry out hazardous operations under the instructions of the loading and unloading management personnel. Chemical Safety Technology Article 1, Article 6.1.2; Carry out under on-site command or supervision; Check the technical instructions for on-site work "Safety of Hazardous Chemicals (2)" should be handled with care, do not operate the situation, review the video supervision management Regulations (State Affairs should be dragged, rolled, hit, rubbed, controlled and videotaped) Court Order No. 591) throwing, squeezing, etc. Article 44		10 points will be deducted if a problem is found
57	Category A, B, and C liquid warehouses should be equipped with inspection sites (the inspection sites should be equipped with facilities to prevent liquids from dispersing). In case of wet slopes and trenches that can prevent liquids from dispersing, fire and explosion may occur. etc., Article 4.3.5 of "Requirements for Checking Highly Toxic Products" (GB18265-2 Warehouses should adopt measures to prevent water immersion. Warehouse ventilation equipment is normal 019);				10 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Check actual score	Point deduction instructions
	Measures; hazardous chemical use of highly toxic substances) Ventilation equipment should be installed in the product warehouse.		Article 3.6.12 of "Code for Fire Protection Design of Buildings" GB50016-2014 (2018 Edition)		
58	Highly toxic chemicals and other hazardous chemicals whose storage quantity constitutes a major source of danger shall be stored separately in a special warehouse inspection site, and a two-person sending and receiving and two-person custody system shall be implemented.		Article 24 of the Regulations on the Safety Management of Hazardous Chemicals (State Council Order No. 591)		20 points will be deducted if a problem is found
59	a closed structure. The fire-resistant storage of solid ammonium nitrate warehouse is not lower than Level 2 of the Ministry of Transportation and Security; it is equipped with bureaus, fire-fighting water sprays, The General Administration of Temperature Supervision and Customs has issued measures to further strengthen the management of forced ventilation in ammonium nitrate safe rooms. (Yingfeng, Far-Infrared Thermal Imaging Supervision Emergency [2021] No. 64) Safety facilities such as alarms, spray cooling, and video surveillance must be installed outside the warehouse, and safety facilities such as flame video recognition alarms must be installed outside the warehouse; they are not allowed to be stored together with other items, and must be isolated and stored separately in limited quantities, and excessive storage is strictly prohibited)	Check the design information and the site (the storage capacity of a single warehouse should not exceed 500 tons, flammable and explosive items must not be stored within 50m around the warehouse, and no production equipment and storage facilities involving flammable and explosive items must be built; according to Class A warehouse Designed by the Ministry of Emergency Management, it is a single-story independent building. The Ministry of Industry and Information Technology adopts Level 2 of the Ministry of Transportation and Security; it is equipped with bureaus, fire-fighting water sprays, The General Administration of Temperature Supervision and Customs has issued measures to further strengthen the management of forced ventilation in ammonium nitrate safe rooms. (Yingfeng, Far-Infrared Thermal Imaging Supervision Emergency [2021] No. 64) Safety facilities such as alarms, spray cooling, and video surveillance must be installed outside the warehouse, and safety facilities such as flame video recognition alarms must be installed outside the warehouse; they are not allowed to be stored together with other items, and must be isolated and stored separately in limited quantities, and excessive storage is strictly prohibited)			20 points will be deducted if a problem is found
60	The storage of precursor chemicals shall be managed by dedicated personnel, and the inspection records of the first category of precursor chemicals shall be subject to "two persons, double locks, and two persons receiving".		Article 5.2 of the "Guidelines for the Standardized Management of Non-Pharmaceutical Precursor Chemicals in Enterprises" (General Office of Work Safety Guan San [2014] No. 7 0)		20 points will be deducted if a problem is found
61	Precursor chemicals should be inventoried at least once a month, and the book and physical quantities should be carefully checked and recorded.		"Guidelines for the Standardized Management of Non-Pharmaceutical Precursor Chemicals in Enterprises" (Safety Supervision		20 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Check actual	score	Point deduction instructions
	Inventory results. When it is discovered that the inventory of precursor chemicals does not match the quantity in and out of the warehouse, the reasons should be promptly investigated. If any theft or loss is discovered, the case should be reported immediately to the relevant administrative department.		Article 5.5 of General Office Management No. 3 [2014] 7 0			
62	Storage warehouses involving hazardous chemicals under key supervision must, in principle, be designed by design units with Class A qualifications.	chemical industry	Article 2 of the "List of Hazardous Chemicals for the First Batch of Key Supervisions" (Work Safety Supervision Manager 3 [201 1] No. 95)			20 points will be deducted if a problem is found
63	Organic peroxides should be stored in a specific area of the hazardous chemicals warehouse, away from direct sunlight, and should meet the storage temperature and humidity requirements for the same species without checking the information or checking the site.		Article 4.2.8 of "Basic Safety Technical Requirements for Hazardous Chemicals Business Enterprises" (GB 18265-2019)			20 points will be deducted if a problem is found
64	Substances and mixtures that release flammable gases when exposed to water should be stored in a sealed container in a dry area in a hazardous chemicals warehouse equipped with waterproof, rainproof, and moisture-proof measures.		Article 4.2.8 of "Basic Safety Technical Requirements for Hazardous Chemicals Business Enterprises" (GB 18265-2019)			20 points will be deducted if a problem is found
65	The storage temperature of self-heating substances and mixtures should meet the storage temperature and humidity requirements of different varieties of inventory data, inspection sites, and avoid direct sunlight.	humidity requirements of different varieties	Article 4.2.10 of "Basic Safety Technical Requirements for Enterprises Operating Hazardous Chemicals" (GB 18265-2019)			20 points will be deducted if a problem is found
66	Self-reactive substances and mixtures should be stored in specific areas of hazardous chemicals warehouses, away from direct sunlight and maintained with good ventilation, and should meet the storage temperature and humidity requirements for different types of information and on-site inspections. Self-reactive substances and their mixtures may only be stored in their original containers.	humidity requirements for different	Article 4.2.11 of "Basic Safety Technical Requirements for Enterprises Operating Hazardous Chemicals" (GB 18265-2019)			20 points will be deducted if a problem is found

3.4 Equipment security risk assessment

3.4.1 Assessment content

- (1) Operation and maintenance of special equipment;
- (2) Equipment change management status;
- (3) Operation status of ventilation facilities;

(4) Video surveillance operation and coverage.

3.4.2 Equipment Security Risk Assessment Checklist

For equipment safety risk assessment, please refer to the relevant content specified in Table 3.4-1.

Table 3.4-1 Equipment Security Risk Assessment Checklist

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
67	(1) Before special equipment is put into use or within 30 days after being put into use, the unit using special equipment shall register with the special equipment safety supervision and management department of the municipality or districted city, and the registration mark shall be placed on or attached to the conspicuous surface of the special equipment. (2) Special equipment users shall check the special equipment in use, and check the on-site "Special Equipment Safety Supervision Regulations" (State Council Order (2)) Whether the safety accessories, safety protection devices, test strips, Article 27 and Article 28 of the equipment are within the validity period of the control device and related inspection requirements to the special equipment shall be regularly calibrated and be made; (3) The unit using special equipment shall submit periodic inspection and testing agency one month before the expiration of the safety inspection qualification in accordance with the periodic inspection requirements of the safety technical specifications.					20 points will be deducted if a problem is found
68	Explosion-proof forklifts should be used to transport and unload explosives and other hazardous chemicals that are prone to combustion and explosion.	Check the information and check the scene (on-site inspection of explosions) "General Rules for the Storage of Hazardous Chemical Warehouse Materials and Inflammable and Explosive Goods" (GB 156 03-2022). Explosion-proof forklifts should be used for goods handling and loading and unloading. The number of forklifts with explosion-proof strips should be able to meet actual needs)				20 points will be deducted if a problem is found
69	Enterprises must perform regular maintenance, check information, check on-site maintenance, and perform regular inspections on safety equipment to ensure normal operation. Article 3 of the "Safety Production Law" (regular maintenance, maintenance and testing shall be recorded, and shall be signed by relevant personnel).					10 points will be deducted if a problem is found
70	places for Class A and B substances should be set up, as well as the "General Regulations for Building Fire Protection Fans" in the air, and the store Class C dust and fibers with combustion or explosion hazards) (GB 55037-202 The equipment should be equipped with ventilation facilities in the storage area. 2) The properties of Article 9.3.1 (such as flammable gas density) should match)	Check the information and site (explosion-proof storage fans should be designed to in the storage area. 2) The				20 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
71	Hazardous chemical warehouses should be moisture-proof, flat, solid, and easy to clean for information and site inspections. Hazardous chemical warehouses that may release flammable gases or vapors (check design documents, belong to the "Hazardous Chemicals Operation Gas", which can form dust, fiber and other basic mixtures in the air that explode in explosion hazard areas) should use different warehouses. Whether the design requirements (GB 18265-2 The ground where sparks occur. The floor for storing corrosive and dangerous chemicals is non-flammable, consistent with Article 4.2.3 of 019). The floor and skirting of the warehouse of products should be made of anti-corrosion materials. Is it consistent with the site? Yes material. Whether it remains intact)					20 points will be deducted if a problem is found
72	Hazardous chemical warehouses should establish a full-coverage video surveillance system in the warehouse area.	Check the information and site (check the video surveillance layout plan (site map), terminals, and check whether they are fully covered)	Article 4.3.5 of "Basic Safety Technical Requirements for Hazardous Chemicals Business Enterprises" (GB 18265-2019)			20 points will be deducted if a problem is found

3.5 Electrical instrument safety risk assessment

3.5.1 Assessment content

- (1) Check the reliability of power supply and the selection of explosion-proof electrical facilities;
- (2) Check the configuration and commissioning of the safety instrument system;
- (3) Check the selection and use of flammable/toxic gas detectors;
- (4) Check the lightning protection and anti-static conditions in flammable and explosive places.

3.5.2 Electrical Instrument Safety Risk Assessment Checklist

For electrical instrument safety risk assessment, please refer to the relevant content specified in Table 3.5-1.

Table 3.5-1 Electrical Instrument Safety Risk Assessment Checklist

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
73	The power supply of the enterprise should meet the power supply requirements of different load levels: (1) The first-level load should be powered by dual power supplies. When one power supply fails according to the "Power Supply and Distribution System Design Regulations", the other power supply should not be on-site at the same time. Design information Article 3.2, Article 3.3, (2) Power supply for particularly important loads among the first-level loads. Emergency power supply should be added in Article 3.7 of the design information, and it is strictly prohibited to connect other loads. Enter the emergency power supply system; the switching time of the power supply of the equipment should meet the time limit for the equipment to allow interruption of power supply.					20 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
	Requirements; (3) The power supply system for secondary loads should be powered by two circuits. When the load is small or the power supply conditions in the area are difficult, the secondary load can be powered by a dedicated overhead line of 6 kV and above.					
74	Electrical equipment in explosion hazardous areas should comply with the requirements of GB 50058.	(Safety Supervision and Inspection General Manager 3 [2017] No. 121) Site Design Information "Electric Power Equipment in Explosive Hazardous Environments" Article 5.2.3 of Design Code (GB 50058-2014);	"Standards for the Determination of Hidden Hazards of Major Production Safety Accidents in Chemical and Hazardous Chemicals Production and Operation Units (Trial)" and Inspection Article 12;			If the explosion-proof level of non-explosion-proof electrical equipment or explosion-proof electrical equipment used in explosion-risk areas does not meet the requirements, the item will be rejected and 50 points will be deducted; for other questions, 20 points will be deducted.
75	Other Operations Used in Explosive Hazardous Environments in Hazardous Chemicals Warehouses should comply with explosion-proof industry tools (GB 18265-2019) Requirements. Lightning protection and anti-static of hazardous chemicals warehouses should be carried out in accordance with Article 4.3.1 of the explosion-proof inspection; be implemented in accordance with the provisions of relevant standards. (Test report, lightning protection test report)	Check the information and check the on-site Vehicles and	"Basic Safety Technical Requirements for Battery trucks, forklifts and other work tools Requirements. Lightning protection and anti-static of hazardous chemicals warehouses should be implemented in			20 points will be deducted if a problem is found
76	site storage hazards that may emit flammable gases and toxic gases (according to the "Basic Safety Technical Requirements for Hazardous Chemicals Business Enterprises Hazardous Chemicals Warehouses shall operate in accordance with the provisions of GB/T 50493") Equipped with corresponding gas detection and alarm devices , and interlocked with the wind name determination (GB 18265-2019) machine. The alarm signal should be transmitted to a 24-hour flammable and flammable place with 4.3.4 supervision, and an audible and visual alarm should be installed. Type of toxic gas detector, warehouse now	Check the information and check the on-				20 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
		There should be sound and light alarms and regular inspection ; records for the fan chain in both the field and the duty station)				
77	Installation and toxic guidelines of flammable and toxic gas detection alarms" (Emergency should meet the safety and wind requirements of GB/T 50493 Gas Detection No. 78), 6 in normal use; the alarm hazard check list (4) should be tested and powered by a UPS battery Timely design of standard gas detection and alarm management; (G "Design Standard for Petrochemical Combustible Gases B/T504 and	Check the information and check the site (Toxic gas detector type "Chemical license to production and operation units, Standards (Trial)" (Safety Supervision should meet [2017] No. 121) "Petroleum Articles 12 and 14; Chemical industry can "Inspection and control of all gas hazards in hazardous chemicals enterprises and the installation and toxic guidelines of flammable and toxic gas detection alarms" (Emergency should meet the safety and wind requirements of GB/T 50493 Gas Detection No. 78), 6 in normal use; the alarm hazard check list (4) should be tested and powered by a UPS battery Timely design of standard gas detection and alarm management; (G "Design Standard for Petrochemical Combustible Gases B/T504 and	and hazardous chemicals require a determine the hidden dangers of major and operation safety accidents in production the requirements of General Manager 3 121) "Petroleum Articles 12 and 14; "Inspection and control of all gas hazards in hazardous chemicals enterprises and the (2019)) The setting of the alarm value instruments, and be in good condition and device. The power supply of the backup not be less than 30 minutes. Standard" Detection and Alarm" (GB/T 50 493-2019) Section 5.1-5.5 " Instrument Power Supply Design Specification" (HG/T 20509-2014) Article 7.1.3			Failure to set up corresponding flammable and toxic gas detectors or detectors not working properly will be rejected and 50 points will be deducted; other issues will be deducted 20 points.
78	The management of flammable gas and toxic gas detection alarms should be reviewed in the	Safety of Hazardous Chemicals Enterprises"				problem found

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
	Meet the following requirements: Materials, inspection and hidden risk hazard investigation and management (1) Drawing on-site guidelines for flammable and toxic gas detection alarms (Emergency [2019] Detection Point Layout; (Cheqi No. 78), 6 Instrument Safety (2) Combustible and toxic gas detection alarms shall be tested or calibrated at regular intervals according to the body detection risk and hidden danger checklist (4), and the period generally does not exceed one year. (Figure, annual testing or calibration report)					10 points deducted
79	Alarm System 493-2019) Section 3.0.3 The on-site system should be independent of the fire alarm control system detection unit of the State Administration of Work Safety; Establishing norms for strengthening the independence of gas detectors in chemical enterprises (2) , unified alarm information recording terminal, leakage management guidance and handling procedures, and keep a record of the alarm and handling situation (Safety Supervision Director III [2014] Record, analyze the causes of the alarm; Record No. 94) Article 19; Analysis and processing of the "General Specifications for Fire Protection Facilities" (GB 55036-2022) Article 12.0.13		"Petrochemical Industry Combustible Gas and Toxic Gas Detection Alarm Materials and Design Standards" (GB/T 50 (1) Combustible Gas and Toxic Gas Detection and Alarm System Settings; Combustible gas (Gas Inspection			10 points will be deducted if a problem is found
80	When entering a warehouse storing explosives and other dangerous chemicals that are sensitive to static electricity and sparks, you should wear anti-static overalls instead of spiked shoes. You should check the site to eliminate static electricity on the human body before entering the warehouse; you should use communication tools with explosion-proof functions. Work tools that easily generate static electricity and sparks should not be used.		Article 11.3.2 of "General Rules for Warehouse Storage of Hazardous Chemicals" (GB 15603-2022)			20 points will be deducted if a problem is found
81	If an electrical fire monitoring system is set up, the system should be independently composed. The setting of electrical fire monitoring detectors should not affect the normal operation of the power supply and distribution system at the site.		"General Specifications for Fire Fighting Facilities" (GB 55036-2022) Article 12.0.14			20 points will be deducted if a problem is found
82	The fire-fighting electrical equipment in the building should use a dedicated power supply circuit. When the production power is cut off, the power consumption of the fire-fighting electrical equipment should still be guaranteed requirements. In addition to the third-level fire-fighting electrical load, the power to meet the design supply time and capacity of the backup fire-fighting power supply of fire-fighting electrical equipment should be able to meet the continuous power requirements of the fire-fighting electrical equipment during the duration of the fire in the building. Among them, the design fire duration time of Category A, B and C warehouses is 3.0 hours, D,		Article 10.1.5 of "General Code for Building Fire Protection" (GB 55037-2022)			20 points will be deducted if a problem is found

serial number	Check content	Check method	Check basis	Inspection	actual score	Point deduction instructions
	The design fire duration of Class E warehouse is 2.0 hours.					

3.6 Emergency and fire safety risk assessment

3.6.1 Assessment content

- (1) Check the establishment of the emergency plan system and training and drills, and check the deployment of emergency equipment;
- (2) Check the equipment and operation of fire water and foam systems;
- (3) Check the settings and operation of fire extinguishers and fire alarm systems;
- (4) Inspect personnel's emergency response capability building status.

3.6.2 Emergency and Fire Safety Risk Assessment Checklist

For emergency and fire safety risk assessment, please refer to the relevant content specified in Table 3.6-1.

Table 3.6-1 Emergency and Fire Safety Risk Assessment Checklist

serial number	Check content	Inspection method	Inspection basis	Inspection	actual score	Point deduction instructions
83	Enterprises should follow the requirements of GB/T 29639 for social units, special emergency investigation documents, Check and emergency response card. Article 5.3.1 of the Fire Fighting Implementation Guidelines) (GB shall be compiled with reference to the requirements of GB/T 38315-2019, /T 38315-2019). The emergency plan can be implemented); The case should be consistent with the actual situation of the enterprise. The enterprise will submit the emergency "production safety accident response plan" to the relevant government departments for filing. Emergency Plan Management Measures (Emergency Management Ministry Order No. 2)	"fire fighting and preparation of comprehensive emergency plans for and record the emergency evacuation plan, on-site disposal plan and Emergency Evacuation Record (Emergency Plan and	Article 5.1 of the "Guidelines for Preparing Emergency Plans for Production Safety Accidents in Production and Business Units" (GB/T 29639-2020);			Deduct 5 points if a problem is found
84	(1) Enterprises should formulate regular evaluation documents for emergency plans, check the "Production Safety Accident Assessment System", and conduct emergency records every three years (Emergency Plan Emergency Regulations (State Council Emergency Plan Assessment)), and the content of the emergency plan shall be specified within the validity period. Within, Order No. 708) 6 analyzes the nature and practicality, and corresponds to Article 10 of the Law;					Deduct 5 points if a problem is found

serial number	Check content	Inspection method	Inspection basis	Inspection	actual score	Point deduction instructions
	Make a conclusion whether the emergency plan needs to be revised; Regulations and business operations of the "Measures for the Management of Emergency Plans for Production Safety Accidents" (2) Enterprises should promptly carry out actual implementation of emergency plans" Revised; Updated) (Emergency Management Ministry Order (3) Enterprises can Sign an emergency rescue agreement with the nearby emergency rescue No. 2) 35. team. Article 36					
85	Enterprises should regularly organize and carry out training activities on the Production Safety Accidents, Emergency Knowledge, Self-rescue and Mutual and danger avoidance and escape skills, so that personnel can conduct emergency response (The Ministry of Emergency Management orders the relevant personnel to understand the contents of the emergency plan and familiarize themselves with the plan training) No. 2) Article 31 Emergency responsibilities, emergency response procedures and measures.	unit's personnel who should be questioned, check the "Emergency Plan for Rescue and Records (Measures for the Management of All-Emergency Plans)"				Deduct 5 points if a problem is found
86	(1) For major hazard sources with inhalable toxic and harmful gases, enterprises shall be equipped with inspection documents, temporary portable concentration testing equipment, air breath recordings, and on-site inspections for the supervision and management of hazardous chemicals. (National safety equipment, chemical protective clothing, leak-stopping equipment, etc. (Order No. 40 of the General Administration of Materials Supervision) should be equipped with emergency equipment and equipment; should be able to correspond to Article 20; (2) In the workplace, emergency relief supplies should be stored "Hazardous chemicals units should be stored in special cabinets or quality emergency rescue equipment, and emergency rescue materials should be equipped at designated locations during the validity period. Emergency materials should be equipped in the workplace) (GB 30077). The equipment should comply with the requirements of Table 1 of GB 30077. -2023) Article 6					Deduct 5 points if a problem is found
87	708) 8 (1) Enterprises should formulate their own emergency preparedness and drill plans, and should organize a production safety accident emergency response at least every six months. Rescue pre-investigation documents, and the Department of Inspection and Records Department's issuance of hazard case drills; Record of major hazards of chemical companies (2) The person responsible for major hazard source guarantees should participate in the source safety guarantee responsibility system and plan drills. Notice of Measures (Trial Implementation)" (Emergency Department [20 21] No. 12)		"Regulations on Emergency Response to Production Safety Accidents" (State Council Order No. 708)			Deduct 5 points if a problem is found
88	Randomly check the drill records of an on-site disposal plan to see if the drill is organized as planned, and evaluate the effectiveness of the drill (evaluate the adequacy and effectiveness of the emergency rescue plan and check the drill records, and form a record).		Article 33 and 34 of the "Measures for the Management of Emergency Plans for Production Safety Accidents" (Emergency Management Ministry Order No. 2)			Deduct 5 points if a problem is found
89	Enterprises should establish emergency equipment ledgers, maintain inspection sites, and record the		"Hazardous Chemicals Unit			Problem found

serial number	Check content	Inspection method	Inspection basis	Inspection	actual score	Point deduction instructions
	Maintenance records shall be inspected regularly in accordance with the system requirements (Emergency equipment, emergency rescue supplies, and emergency equipment. The ledger shall be consistent with the physical standards" (GB 30077, regular inspection-2023) 9.1 and 9. Inspection, within the validity period of Article 3)					5 points
90	Chemical Warehouses (Inspection should establish storage with communities and surrounding enterprises and institutions" (GB 1 Emergency Response Linkage Mechanism. 5603-2022)) Article 1.2	Information on Hazardous	Article 11 of "Inspection of			Deduct 5 points if a problem is found
91	(1) Enterprises should formulate annual fire protection work plans and organize and implement daily fire safety management work; (2) Enterprises should formulate fire safety systems and operating procedures to ensure fire safety and implement them; (3) Enterprises should formulate "China's Fire Safety Guidelines" for fire safety work. Capital investment and organizational guarantee plan of the People's Republic of China; Article 16 of the Fire Protection Law; (4) Enterprises should organize and implement fire prevention inspections and "rectification of fire hazards in agencies, groups and enterprises; Fire protection of enterprises and institutions" (5) Enterprises should organize and implement Maintenance of inspection documents and inspection logs to ensure they are intact and effective, Article 7; ensure that evacuation passages and safety exits are smooth. ; "The General Office of the State Council stipulates that (6) Enterprises should establish fire safety responsibilities, manage full-time or part-time fire brigade and micro-appointment system implementation measures in accordance with the law, and organize firefighting business training on a regular basis" (National Banfa [20 Xihe Fire Fighting Skills Training; 17] No. 87) 15. (7) Enterprises should be equipped with corresponding fire-fighting equipment and equipment according to the fire hazard characteristics of the unit in Articles 16 and 17, and reserve sufficient fire-extinguishing agents and materials. ; (8) Enterprises should organize publicity, education and training on fire protection knowledge and skills among employees, and organize the implementation and drills of fire fighting and emergency evacuation plans.					10 points will be deducted if a problem is found
92	(1) The personnel on duty in the fire control room should hold the corresponding level of fire inspection and inquiry technical requirements based on the type of general fire protection system in the fire control room (GB 255 Professional Qualification Certificate; Personnel 06-2010). (2) Spot Inspection 2 Operators master fire protection 1 item					10 points will be deducted if a problem is found

serial number	Check content	Inspection method	Inspection basis	Inspection	actual score	Point deduction instructions
	The operation and use of the facility; (3) Randomly check whether the employees in two positions are proficient in wearing air respirators and whether the steps meet the requirements.					
93	and finding out that the fire protection facilities are put into use, they should enter the site regularly (fire inspection inspection and maintenance should be carried out, and it should be ensured that the approval document should be in accordance with the actual operation or working condition and not consistent with the "General Regulations for Fire Protection Facilities". Maintenance should be shut down, dismantled, modified or moved without authorization. Fire extinguishing media, fire-fighting facilities or fire-fighting facilities that exceed the standard (GB 55036-2 Insured records, annual validity period or 022) Article 2.0.9 Fire inspection and annual inspection do not meet the requirements for safety ducts, assemblies and pressure vessels should not be used. Ducted fire Assessment)	After checking the information				10 points will be deducted if a problem is found
94	The fire-fighting pool shall comply with the following regulations: (1) The effective volume of the fire-fighting pool shall meet the fire-fighting water consumption requirements during the designed continuous water supply period. When the fire-fighting pool adopts two-way fire-fighting water supply and continuous water replenishment during a fire can meet the fire-fighting water consumption requirements, When only an indoor fire hydrant system is installed, the effective volume should be greater than or equal to 50 m³, and in other cases it should be greater than or equal to 100 m³; (2) Pools where fire-fighting water is shared with other water should be designed to ensure fire protection in the technical measures that water consumption is not used for other purposes; On-site inspection (3) The water outlet pipe of the fire pool should ensure that all water in the effective volume of the fire pool can be utilized, and the minimum effective water level of the pool or the submersion depth of the fire water pump suction port should meet Requirements for the safe operation of fire water pumps at the lowest water level and the realization of the designed water output; (4) The water level of the fire pool should be displayed locally and in the fire control room, and the fire pool should be equipped with high and low water level alarm devices; (5) The fire pool should be equipped with an overflow alarm Water pipes and drainage facilities, and indirect drainage should be used.	pool. Documents and for other purposes; On-site	Article 3.0.8 of "General Specifications for Fire Fighting Facilities" (GB 55036-2 022)			10 points will be deducted if a problem is found
95	Fire water pumps should comply with the following regulations: Check design documents, (1) Fire water pumps should ensure that they can be started on site promptly in the event of a fire; pump shutdown should be controlled manually,		Article 3.0.11 of "General Specifications for Fire Fighting Facilities" (GB 55036-2 022)			10 points will be deducted if a problem is found

serial number	Check content	Inspection method	Inspection basis	Inspection	actual score	Point deduction instructions
	<p>The pump should not automatically stop; (2) The performance of the fire water pump should meet the flow and pressure requirements of the fire water supply system; (3) The power of the driver equipped with the fire water pump should meet the operating requirements at any point on the selected water pump flow head performance curve. Power requirements; (4) Fire water pumps should adopt self-priming water absorption. Fire water pumps that directly absorb water from the municipal water supply network should be equipped with air-blocking backflow preventers on their outlet pipes; (5) Diesel engine fire water pumps should have the performance of continuous operation, and their emergency power supply should be sufficient to allow the fire water pump to automatically start the pump at any time and requirements for continuous operation within the designed continuous water supply time.</p>					
96	<p>The fire water pump control cabinet shall be located in the fire water pump control room or fire water pump room, and its performance shall comply with the following regulations: (1) When the fire water pump control cabinet is located in the fire water pump control room, its protection level shall not be lower than IP 30; When inside the room, its protection level should not be lower than IP 55; (2) The fire water pump should be in an automatic pump start state; (3) The fire water pump control cabinet should have a mechanical emergency pump start function, and when the mechanical emergency pump starts, the fire The water pump should be able to enter normal operation within 5 minutes after receiving a fire alarm.</p>	Check the scene	Article 3.0.12 of "General Specifications for Fire Fighting Facilities" (GB 55036-2 022)			10 points will be deducted if a problem is found
97	<p>(1) A nameplate should be installed on the foam liquid storage tank, and the foam liquid type, model, date of manufacture and filling, validity period, storage capacity, etc. should be marked. Foam liquids of different types and brands at the inspection site must not be mixed;</p> <p>(2)) The control valves used in the system should have obvious opening and closing signs.</p>		"Technical Standard for Foam Fire Extinguishing Systems" (GB 50151-2021) Articles 3.10 and 3.7.1			10 points will be deducted if a problem is found
98	Check the design information of above-ground warehouses with an area greater than 300 m², "General Regulations for Building Fire Protection"					Problem found

serial number	Check content	Inspection method	Inspection basis	Inspection	actual score	Point deduction instructions
	For warehouses, the number of safety exits should not be less than 2; for warehouses under Article 7.2.3 of the Construction Inspection Site Standards (GB 55037-2022 for underground or semi-ground construction areas greater than 100 m²), the number of safety exits should not be less than 2. There should be no less than 2 evacuation exits for each room in the warehouse with a building area greater than 100 m².					10 points