



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

FINAL DIVESTMENT AND DO-NOT-CONTRACT LIST—IRAN

Updated as of August 31, 2021

Pursuant to N.C. Gen. Stat. § 147-86.58, the State Treasurer has determined that the following companies appear to be engaged in “investment activities in Iran,” as that term is defined in the amended North Carolina Iran Divestment Act of 2015 (the “Act”), based on other state lists of restricted companies, federal information, and other credible information. This updated List may be found at the State Treasurer’s website: <https://www.nctreasurer.com>.

The State Treasurer and North Carolina Retirement Systems may not invest funds, and must divest any existing investment, with the restricted companies listed below. N.C. Gen. Stat. § 147-86.58. In addition, the restricted companies listed below are generally ineligible to contract with the State of North Carolina or any political subdivision of the State if the contract is valued at more than \$1,000.00. N.C. Gen. Stat. §§ 147-86.60 and 147-86.61(a). Any existing contracts with companies listed below shall be allowed to expire in accordance with the terms of the contract. N.C. Gen. Stat. § 147-86.60(c).

“Company” is defined by the Act to include not only restricted companies listed as a result of their own apparent investment activities in Iran (see above) but also any “wholly owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of those entities.” N.C. Gen. Stat. § 147-86.57(1).

The Department of State Treasurer is not responsible for compliance with the Act by other agencies or State political subdivisions. The Department’s responsibilities are solely focused on implementing N.C. Gen. Stat. §147-86.58, which relates to the Department’s investments, and implementing the Act as it relates to the identification of companies that appear to be engaged in investment activities in Iran (and their affiliates).

| Restricted Company |
|---------------------------------------|
| Chennai Petroleum Corp. Ltd. |
| China Oilfield Services Ltd. |
| China Petroleum & Chemical Corp. |
| China Shipbuilding Industry Co., Ltd. |
| GAIL (India) Ltd. |
| Oil & Natural Gas Corp. Ltd. |
| PetroChina Co. Ltd. |
| SINOPEC Engineering (Group) Co., Ltd. |

| Affiliate Company Name | Relationship | Restricted Company |
|--|--------------|----------------------------------|
| Addax Petroleum International Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Aershan Drinks (Beijing) Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Amerada Hess Indonesia Holdings Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Baling Petrochemical Corp. | Subsidiary | China Petroleum & Chemical Corp. |
| Beijing Feitian Petrochemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Beijing Fortune Huiyuan Gas Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |



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| Affiliate Company Name | Relationship | Restricted Company |
|--|--------------|---------------------------------------|
| Beijing Great Wall Radio Factory | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Bengal Gas Co. Ltd. | Subsidiary | GAIL (India) Ltd. |
| Bohai Shipbuilding Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Bohai Shipping Heavy Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| BP-Petrochina Fuels JV | Subsidiary | PetroChina Co., Ltd. |
| Brion Duvernay Gas Partnership | Subsidiary | PetroChina Co., Ltd. |
| Carrizo Oil & Gas, Inc. /Eagle Ford Shale Assets/ | Subsidiary | GAIL (India) Ltd. |
| Caspian Investments Resources Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Chennai Petroleum Corp. Ltd. Employees Provident Fund | Subsidiary | Chennai Petroleum Corp. Ltd. |
| China International United Petroleum & Chemicals Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| China National Petro Corp. /Dayuan & Qingyang Refinery Ops/ | Subsidiary | PetroChina Co., Ltd. |
| China National Petroleum Marketing Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| China Oilfield Services (BVI) Ltd. | Subsidiary | China Oilfield Services Ltd. |
| China Petrochemical Corp. Henan Petroleum Exploration Bureau | Subsidiary | China Petroleum & Chemical Corp. |
| China Petrochemical Refining Sales Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| China Petrochemical Technology Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Co. Ltd. /Lube Jingmen Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Co. Ltd. /Tahe Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Anhui Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Changling Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Hebei Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Henan Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Jiujiang Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Liaoning Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Maoming Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Shandong Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Wuhan Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. (Zhejiang Ningbo Branch) | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /3 Subs/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /Arg Petroleum Assets/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /East China Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /Guangdong Pete Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /Hubei Yichang Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /Jiangsu Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /Jiangsu Suzhou Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /Lubricant Tianjin Branch/ | Subsidiary | China Petroleum & Chemical Corp. |



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| Affiliate Company Name | Relationship | Restricted Company |
|---|--------------|---------------------------------------|
| China Petroleum & Chemical Corp. /Shanghai & Hua Dong Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /Shanghai Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. /Tianjin Branch/ | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. Chuanyu Trading Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Corp. Ltd. Lubricant Co. | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum & Chemical Sales Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| China Petroleum Group Jiangnan Petroleum Management Bureau | Subsidiary | China Petroleum & Chemical Corp. |
| China Resources Petrochems Investments Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| China Shengli Oilfield Longxi Petroleum Eng Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| China Shipbuilding & Offshore International Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| China Shipbuilding Industry (Yunnan) Complete Equipment Eng | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| China Shipbuilding Industry Co. Ltd /Subsidiary 2/ | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| China Shipbuilding Industry Corp. /Machinery Bus (6)/ | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| China Shipbuilding Industry Corp. /Military Equipment Ops/ | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| China Shipbuilding Industry Corporation (Taiyuan) Pingyang | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| China Shipbuilding Industry Corporation Zhongnan Yichang High | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| China Shipping & Sinopec Suppliers Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| China State-Owned Assets Supervision & Admn Commission | Parent | China Oilfield Services Ltd. |
| China State-Owned Assets Supervision & Admn Commission | Parent | China Petroleum & Chemical Corp. |
| China State-Owned Assets Supervision & Admn Commission | Parent | China Shipbuilding Industry Co., Ltd. |
| China State-Owned Assets Supervision & Admn Commission | Parent | PetroChina Co., Ltd. |
| China State-Owned Assets Supervision & Admn Commission | Parent | SINOPEC Engineering (Group) Co., Ltd. |
| Chongqing Changzheng Heavy Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Chongqing Changzheng Precision Founding Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Chongqing Hengshan Machinery Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Chongqing Hongjiang Machinery Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Chongqing Jiangjin Turbo & Charger Machinery Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Chongqing Jiangzeng Shipbuilding Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Chongqing Yuejin Machinery Plant Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Chuanyu Trading Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| CNOOC Enertech Drilling & Production Co. /Seismic Data Bus/ | Subsidiary | China Oilfield Services Ltd. |
| CNPC Kunlun Natural Gas Exploitation Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| COSL (Australia) Pty Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL America, Inc. | Subsidiary | China Oilfield Services Ltd. |
| COSL Chemicals (Tianjin) Ltd. | Subsidiary | China Oilfield Services Ltd. |



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|--|--------------|---------------------------------------|
| COSL Deepwater Technology Co., Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Drilling Pan-Pacific (Labuan) Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Drilling Pan-Pacific Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Drilling Saudi Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Drilling Singapore Pte Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Drilling Strike Pte Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Finance (BVI) Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Hainan Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Holding AS | Subsidiary | China Oilfield Services Ltd. |
| COSL Mexico SA de CV | Subsidiary | China Oilfield Services Ltd. |
| COSL Middle East FZE | Subsidiary | China Oilfield Services Ltd. |
| COSL Norwegian AS | Subsidiary | China Oilfield Services Ltd. |
| COSL Oil-Tech (Singapore) Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Pioneer Pte Ltd. | Subsidiary | China Oilfield Services Ltd. |
| Cosl Promoter Pte Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Prospector Pte Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Singapore Capital Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL Strike Pte Ltd. | Subsidiary | China Oilfield Services Ltd. |
| COSL-HongKong Ltd. | Subsidiary | China Oilfield Services Ltd. |
| CSIC Financial Co. Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| CSIC Seven Technology Holdings Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| CSIC Shuangrui Technology Holdings Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| CSIC Technology Investment Development Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| CSIC Yuanzhou (Beijing) Technology Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| CSSC Chongqing Intelligent Equipment Engineering Design Co | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| CSSC Hongjiang Machinery Changzhou Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| CSSC Materials Trading (Beijing) Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Dafa Founding Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian DMV Trading Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Haiyue Marine Equipment Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Marine Propeller Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Marine Valve Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Shipbuilding Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Shipbuilding Industry Construction Engineer Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Shipbuilding Industry Design & Research Ins Co. Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Shipbuilding Industry Group Engineering Services Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Shipbuilding Industry Group Steel Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |



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| Affiliate Company Name | Relationship | Restricted Company |
|--|--------------|---------------------------------------|
| Dalian Shipbuilding Industry Group Steel Structure Manufacturi | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Shipyard Group Co. Ltd. /Bus Ops/ | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Dalian Xinchuan Heavy Industry Marine Fitting Equipment Co | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Daqing Oilfield Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Daqing Oilfield Construction Group Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Daqing Petrochemical Complex | Subsidiary | China Petroleum & Chemical Corp. |
| Daqing Refining & Chemicals Co. | Subsidiary | PetroChina Co., Ltd. |
| Dongguan China Resources Petroleum & Chemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Dongguan Humen Port Tongzhou Petrochemical Terminal Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Dps Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| First International Oil Corp. | Subsidiary | China Petroleum & Chemical Corp. |
| Forever Glowing International Pte Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Fushun Petroleum & Chemical Research Institute | Subsidiary | China Petroleum & Chemical Corp. |
| GAIL Gas Ltd. | Subsidiary | GAIL (India) Ltd. |
| GAIL Global (Singapore) Pte Ltd. | Subsidiary | GAIL (India) Ltd. |
| Gail Global (USA) LNG LLC | Subsidiary | GAIL (India) Ltd. |
| GAIL Global (USA), Inc. | Subsidiary | GAIL (India) Ltd. |
| Gaoqiao Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Government of India | Parent | GAIL (India) Ltd. |
| Government of India | Parent | Oil & Natural Gas Corp. Ltd. |
| Great Wall Gas | Subsidiary | China Petroleum & Chemical Corp. |
| Guangxi Guijiang Shipyard | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Guangxi Wuzhou Shipyard | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Guangxi Zhongnan Huaxing Machinical Equipment Co. Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Guangzhou Petrochemical Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Gujarat State Petroleum Corp. Ltd. /KG Basin Block/ | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| Haizhuang Wind Power Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Hebei Natural Gas Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Hindustan Petroleum Corp. Ltd. | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| Hubei Jiangzuan Tianxiang Chemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Hubei Wuchuan Honglu Heavy Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Huludao Bo Ship Outfitting Module Engineering Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Huludao Bochuan Heavy Industry Ship Design & Research Co | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Imperial Energy Corp. Plc | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| Indian Oil Corp. Ltd. | Parent | Chennai Petroleum Corp. Ltd. |
| Indonesian Oil & Gas Operations | Subsidiary | PetroChina Co., Ltd. |
| INEOS Group Holdings Plc /European Oil Refining Ops/ | Subsidiary | PetroChina Co., Ltd. |



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| Affiliate Company Name | Relationship | Restricted Company |
|--|--------------|---------------------------------------|
| Jiaghan Petroleum Administration Bureau | Subsidiary | China Petroleum & Chemical Corp. |
| Jiangsu Petroleum Exploration Bureau | Subsidiary | China Petroleum & Chemical Corp. |
| Jilin Chemical Industrial Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Jilin Petrochemical Co. | Subsidiary | PetroChina Co., Ltd. |
| Jinling Petrochemical Ltd. Corp. Sinopec Corp. | Subsidiary | China Petroleum & Chemical Corp. |
| Jiujiang Qisuo Precision Electromechanical Technology Co | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Kantons Gas Station Investment & Management Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Konkan LNG Pvt Ltd. | Subsidiary | GAIL (India) Ltd. |
| Kunlun Energy Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Kunshan Jiangjin Machinery Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Lanzhou Sida Special Petrochemical Products Co Ltd | Subsidiary | PetroChina Co., Ltd. |
| Liaohe Jinma Oilfield Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Luoyang R&D Center of Technology Sinopec Engineering (Group) | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Luoyang Shuangruidate Copper Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Luoyang Sunrui Anti-Corrosion Engineering Technology Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Luoyang Sunrui Rubber Technology Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Mangalore Refinery & Petrochemicals Ltd. | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| Nantong Sohen Shipyard Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Ningbo Sinopec Changjiang Fuel Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Oil & Natural Gas Corp. Ltd. (Venture Capital) | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| ONGC Nile Ganga (Cyprus) Ltd. | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| ONGC (BTC) Ltd. | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| ONGC Amazon Alaknanda Ltd. | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| ONGC Energy Centre | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| ONGC Mangalore Petrochemicals Ltd. | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| ONGC Nile Ganga BV | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| ONGC Self Contributory Post Retirement & Death In Service Sup | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| ONGC Videsh Ltd. | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| Petro China Co., Ltd. Jilin Petrochemical Branch | Subsidiary | PetroChina Co., Ltd. |
| PetroChina & CRMSC Oil Marketing Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina (Nanjing) Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Canada Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Changqing Oilfield Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Chongqing Fuling Sales Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Chongqing Sales Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. (Jinzhou Petrochemical Unit) | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Dagang Oil Field Branch/ | Subsidiary | PetroChina Co., Ltd. |



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| Affiliate Company Name | Relationship | Restricted Company |
|--|--------------|----------------------|
| Petrochina Co. Ltd. /Dagang Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Dalian Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Daqing Lubricating Oil No1 Factory/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Daqing Lubricating Oil No2 Factory/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Dushanzi Lubricating Oil Factory/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Fushun Lubricating Oil Factory/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Guangxi Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Harbin Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Hohhot Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Huadong Lubricating Oil Factory/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Hubei Yichang Sales Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Lanzhou Lubricating Oil Factory/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Lanzhou Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Liaohe Lubricating Oil Factory/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Liaohe Oil Field Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Liaohe Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Liaoyang Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Ningxia Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Ningxia Refining Chemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /North China Oil Field Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Tarim Oil Field Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Urumqi Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Xinjiang Oil Field Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Yumen Lubricating Oil Factory/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Yumen Oil Field Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Yunnan Refinery/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co. Ltd. /Zhejiang Sales Branch/ | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Co., Ltd. (Lubricating Oil Branch) | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Co., Ltd. /Changqing Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co., Ltd. /Fushun Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Co., Ltd. /Huabei Petrochemical Branch Co./ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co., Ltd. /Jinxi Petrochemical Branch/ | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Co., Ltd. /Shandong Sales Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co., Ltd. /Shangluo Luonan Sales Branch/ | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Co., Ltd. /Southwest Oil & Gas Field Branch/ | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Coalbed Methane Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Dagang Oilfield Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Dalian Petrochemical Co. | Subsidiary | PetroChina Co., Ltd. |



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| Affiliate Company Name | Relationship | Restricted Company |
|---|--------------|----------------------------------|
| Petrochina Daqing Petrochemical Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Daqing Tamsag LLC | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Exploration & Production Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Fuel Oil Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Heilongjiang Marketing Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Hong Kong Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Hong Kong Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Huabei Oilfield Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina International (Canada) Trading Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina International Investment (Australia) Pty Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina International Investment Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina International Iraq FZE Iraq Branch | Subsidiary | PetroChina Co., Ltd. |
| PetroChina International Jabung Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina International Middle East Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Jidong Oilfield Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Jilin Natural Gas Pipeline Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Jilin Oilfield Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Jinzhou Petrochemical Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Kelamayi Petrochemical Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Lanzhou Petrochemical Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Liaohe Oilfield Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Marketing Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Natural Gas & Pipeline Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina North China Marketing Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Northeast Marketing Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Pension Product - Equity Account | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Pipeline Bureau Steel Tube Factory | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Pipelines Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Qinghai Oilfield Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Refining & Marketing Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Sichuan Petrochemical Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Talimu Oilfield Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina Tuha Oilfield Co. | Subsidiary | PetroChina Co., Ltd. |
| PetroChina West-East Natural Gas Transmission Pipelines Co. | Subsidiary | PetroChina Co., Ltd. |
| Petrochina Xinjiang Oilfield Co. | Subsidiary | PetroChina Co., Ltd. |
| Petro-Cyberworks Information Technology Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Petroineos Trading Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Petroleum Long Champ Co Ltd | Subsidiary | PetroChina Co., Ltd. |



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

| Affiliate Company Name | Relationship | Restricted Company |
|--|--------------|---------------------------------------|
| Phoenix Energy Holdings Ltd. (Canada) | Subsidiary | PetroChina Co., Ltd. |
| PT COSL INDO | Subsidiary | China Oilfield Services Ltd. |
| PT Samudra Timur Santosa | Subsidiary | China Oilfield Services Ltd. |
| Qingdao Beihai Shipbuilding Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Qingdao Beihai Shipbuilding Pipe Processing Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Qingdao Haixi Heavy Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Qingdao Petroleum Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Qinhuangdao Shanchuan Heavy Industry Construction & Installati | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Qinhuangdao Shanchuan Heavy Industry Machinery Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Research Institute of Petroleum Exploration & Development | Subsidiary | PetroChina Co., Ltd. |
| Rus Imperial Group OOO | Subsidiary | Oil & Natural Gas Corp. Ltd. |
| Science & Technology Development Co. Ltd. /Catalysts Business/ | Subsidiary | China Petroleum & Chemical Corp. |
| Shandong Lurun Hongtai Petrochemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Shandong Lurun Jingjiu Petrochemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Shandong Shengyue Petrochemical Engineering Construction Co | Subsidiary | China Petroleum & Chemical Corp. |
| Shanghai Jin Hua Industrial Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Shanghai Longwan Industrial Co. Ltd. /Four Oil Stations/ | Subsidiary | PetroChina Co., Ltd. |
| Shanhaiguan Shipbuilding Industry Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Shanxi Pingyang Guangri Electromechanical Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Shanxi Pingyang Heavy Industry Coal Machine Fittings Sales | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Shanxi Pingyang Industry Machinery Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Shanxi State-Owned Diesel Plants | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Shengli Oil Field Dongsheng Precision Petroleum Dev Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Shengli Oilfield Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Shengli Petroleum Management Bureau Eng Cnstr No. 1 Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Shenzhen Shenchang Industry Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Shijiazhuang Chemical Fiber Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sichuan Shengda Chemical New Material Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Singapore Petroleum Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| SinoCanada Petroleum Corp. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Xi'An Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec & Shell (Jiangsu) Petroleum Marketing Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Activator Qilu Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Anqing Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Anqing Refinery Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

| Affiliate Company Name | Relationship | Restricted Company |
|---|--------------|---------------------------------------|
| Sinopec Argentina SA | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Asphalt Sales Branch Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Baling Yingshan Petrochemical Plant | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Beihai Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Beihai Refining & Chemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Beijing Jingtian Engineering & Construction Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Beijing Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Beijing Research Institute of Chemical Industry | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Beijing Yanhua Petrochemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Beijing Yanshan Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Cangzhou Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Capital (2013) Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Capital Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Capital Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Catalyst Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Changling Petrochemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Chemical Commercial Holding (Hong Kong) Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Chemical Commercial Holding (Singapore) Pte Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Chemical Commercial Holding Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Chemical Commercial Holding North America, Inc. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Chemical Industry Co., Ltd. Hubei Fertilizer Filiale | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Chemical Products Sales Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Chemical Sales Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Chongqing Petroleum Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Corp Hongkong International Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec East China Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Energy Management Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Energy-Saving Technology Service Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| SINOPEC Engineering Group America LLC | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Engineering Group Malaysia Sdn. Bhd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Engineering, Inc. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Exploration & Production Research Institute | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Exploration Southern Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Fourth Construction Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Fuel Oil (Singapore) Pte Ltd. | Subsidiary | China Petroleum & Chemical Corp. |



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

| Affiliate Company Name | Relationship | Restricted Company |
|---|--------------|---------------------------------------|
| SINOPEC Fuel Oil Sales Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Fujian Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Fujian Refining & Chemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Fushun Research Institute of Petroleum & Petrochemic | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Gansu Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Gas Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Geophysical Research Institute | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Great Wall Energy & Chemical (Ningxia) Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Great Wall Energy & Chemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Great Wall Gas Investment Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Group Anhui Petroleum General Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Group Nanjing Chemical Industries Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Guangdong Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Guangxi Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Guangzhou Engineering Co. Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| SINOPEC Guizhou Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Hainan Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Hainan Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Heavy Lifting & Transportation Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Hebei Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Heilongjiang Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Henan Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Henan Oilfield Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Hubei Chemical Fertilizer Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Hubei Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Hubei Petrochemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Hunan Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Inner Mongolian Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec International (Australia) Pty Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec International Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec International Petroleum Exploration & Production Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec International Petroleum Services Kenya Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Jiangnan Petroleum Instrumentation Plant | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Jiangsu Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Jiangsu Oilfield Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Jiangxi Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |



INVESTMENT MANAGEMENT

| Affiliate Company Name | Relationship | Restricted Company |
|---|--------------|---------------------------------------|
| SINOPEC Jilin Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Jinan Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Jingmen Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Jinling Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Jiujiang Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Jiujiang Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Kantons Holdings Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec KTS Development Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Lanzhou Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Liaoning Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Luoyang (Guangzhou) Engineering Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Luoyang Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Luoyang Petrochemical Engineering Corp. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| SINOPEC Luoyang Petrochemical General Factory | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Maoming Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Maoming Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Marketing Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Nanjing Engineering & Construction, Inc. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Nanjing Engineering Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| SINOPEC Ningbo Engineering Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| SINOPEC Ningxia Oil Products Co., | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec North China E&P Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Northeast Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Northeast Oil & Gas Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Northwest Oil Field Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Oil & Gas Australia (Puffin) Pty Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Overseas Investment Holding Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Petrochemical Co. Ltd Qilu Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Petroleum Engineering & Construction Corp. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Petroleum Engineering Technology Service Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Pipeline Storage & Transportation Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Qilu Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Qingdao Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Qingdao Refining & Chemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Qingdao Refining Corp. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Qingdao Safety Engineering Institute | Subsidiary | China Petroleum & Chemical Corp. |



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

| Affiliate Company Name | Relationship | Restricted Company |
|--|--------------|---------------------------------------|
| Sinopec Qinghai Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Refinery Sales (Fujian) Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Research Institute of Petroleum Engineering | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Research Institute of Petroleum Processing | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Sales Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Senmei (Fujian) Petroleum Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shaanxi oil products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Shandong Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shanghai Asphalt Sales Branch Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Shanghai Engineering Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| Sinopec Shanghai Gaoqiao Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shanghai Gaoqiao Petroleum & Chemical Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Shanghai Offshore Petroleum Co. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Shanghai Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shanghai Petrochemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Shanghai Research Institute of Petrochemical Technolog | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shanghai SECCO Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shanxi Datong Petrol | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shanxi Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shashi Steel Pipe Factory | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Shengli Oilfield Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Shengli Oilfield Construction Engineering Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Shijiazhuang Refining & Chemical Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Sichuan Petroleum Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Sichuan Vinyon Works | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Tahe Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Tech Houston LLC | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Tenth Construction Co., Ltd. | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| SINOPEC Tianjin Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Tianjin Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Tianjin Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Wuhan Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Wuhan Phoenix Co. Ltd. /Petrochemicals Ops/ | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Xinjiang Coal Natural Gas Export Pipeline Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SINOPEC Xinjiang Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Yangzi Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Zhanjiang Dongxing Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

| Affiliate Company Name | Relationship | Restricted Company |
|--|--------------|---------------------------------------|
| SINOPEC Zhejiang Oil Products Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Zhenhai Refining & Chemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Zhongyuan Oilfield Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec Zhongyuan Petroleum Exploration Bureau | Subsidiary | China Petroleum & Chemical Corp. |
| Sinopec-SK(Wuhan) Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| SJ Petroleum Machinery Co. | Subsidiary | China Petroleum & Chemical Corp. |
| South Oil Exploration & Development Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| South West Oil & Gas Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Sunrui Marine Environment Engineering Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Taian Lurun Cement Production Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Taixing Longsheng Fine Chemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| The Fifth Construction Company of Sinopec | Subsidiary | SINOPEC Engineering (Group) Co., Ltd. |
| The PetroChina International Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Tianjin 707 Hi-Tech Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Tianjin Qisuo Precision Mechanical & Electrical Technology | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Tianjin Seven Research Institute Aixin Automobile Welding Equi | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Tibet Shannan Yala Xiangbu Industrial Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Trans-Asia Gas Pipeline Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Tripura Natural Gas Co. Ltd. | Subsidiary | GAIL (India) Ltd. |
| United Petrochemical Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Weihai Weiyang Petroleum Co. Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| West Pacific Petrochemical Co., Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Wuchang Shipbuilding Industry Co. Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Wuchang Shipbuilding Industry Group Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Wuchang Shipyard | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Wuhan Baofeng North Project Management Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Wuhan Hanyang Avenue Project Management Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Wuhan Heavy Industry Casting & Forging Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Wuhan Menglong Project Management Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Wuhan Wuchuan Oceanic Engineering Ship Design Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Wuhan Wuchuan Special Boat Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Xiamen Sunrui Marine Coatings Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Xi'an Pingyang Technology Development Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Xinjiang Dushanzi Petrochemical Co. Ltd. | Subsidiary | PetroChina Co., Ltd. |
| Yichang Jiangxia Marine Machinery Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Yichang Jiangxia Ship Equipment Manufacturing Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Yichang Jiangxia Ship Machinery Co. Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |



INVESTMENT MANAGEMENT

| Affiliate Company Name | Relationship | Restricted Company |
|---|---------------------|---------------------------------------|
| Yichang Zhongnan Precise Steel Tube Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Yihua Group Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Zhongnan Equipment Co., Ltd. | Subsidiary | China Shipbuilding Industry Co., Ltd. |
| Zhongyuan Oilfield Puguang Co. | Subsidiary | China Petroleum & Chemical Corp. |
| Zhongyuan Petrochemical Co., Ltd. | Subsidiary | China Petroleum & Chemical Corp. |
| Zhongyuan Petroleum Exploration Bureau | Subsidiary | China Petroleum & Chemical Corp. |