

Assessing Safety Culture In Oil Refinery

THANK YOU ENTIRELY MUCH FOR DOWNLOADING **ASSESSING SAFETY CULTURE IN OIL REFINERY**. MOST LIKELY YOU HAVE KNOWLEDGE THAT, PEOPLE HAVE LOOK NUMEROUS TIMES FOR THEIR FAVORITE BOOKS SUBSEQUENT TO THIS **ASSESSING SAFETY CULTURE IN OIL REFINERY**, BUT STOP IN THE WORKS IN HARMFUL DOWNLOADS.

RATHER THAN ENJOYING A GOOD BOOK AFTERWARD A CUP OF COFFEE IN THE AFTERNOON, THEN AGAIN THEY JUGGLED AS SOON AS SOME HARMFUL VIRUS INSIDE THEIR COMPUTER. **ASSESSING SAFETY CULTURE IN OIL REFINERY** IS USER-FRIENDLY IN OUR DIGITAL LIBRARY AN ONLINE PERMISSION TO IT IS SET AS PUBLIC THEREFORE YOU CAN DOWNLOAD IT INSTANTLY. OUR DIGITAL LIBRARY SAVES IN COMBINATION COUNTRIES, ALLOWING YOU TO GET THE MOST LESS LATENCY EPOCH TO DOWNLOAD ANY OF OUR BOOKS IN IMITATION OF THIS ONE. MERELY SAID, THE **ASSESSING SAFETY CULTURE IN OIL REFINERY** IS UNIVERSALLY COMPATIBLE CONSIDERING ANY DEVICES TO READ.

OIL AND GAS DEVELOPMENT - UNITED STATES. CONGRESS. SENATE. COMMITTEE ON ENERGY AND NATURAL RESOURCES 2011

SAFETY SCIENCE RESEARCH - JEAN-CHRISTOPHE LE COZE 2019-08-13

SAFETY SCIENCE RESEARCH: EVOLUTION, CHALLENGES AND NEW DIRECTIONS PROVIDES A UNIQUE PERSPECTIVE INTO THE LATEST DEVELOPMENTS OF SAFETY SCIENCE BY PUTTING TOGETHER, FOR THE FIRST TIME, A NEW GENERATION OF AUTHORS WITH SOME OF THE PIONEERS OF THE FIELD. FORTY YEARS AGO, RESEARCH TRADITIONS WERE DEVELOPED, INCLUDING, AMONG OTHERS, HIGH-RELIABILITY ORGANISATIONS, COGNITIVE SYSTEM ENGINEERING OR SAFETY REGULATIONS. IN A FAST-CHANGING WORLD, THE NEW GENERATION INTRODUCES, IN THIS BOOK, NEW DISCIPLINARY INSIGHTS, ADDRESSES CONTEMPORARY EMPIRICAL ISSUES, DEVELOPS NEW CONCEPTS AND MODELS WHILE REMAINING CRITICAL OF SAFETY RESEARCH PRACTICAL AMBITIONS. THEIR IDEAS ARE THEN REFLECTED AND DISCUSSED BY SOME OF THE PIONEERS OF SAFETY SCIENCE. FEATURES ALLOWS THE READER TO DISCOVER HOW CONTEMPORARY SAFETY ISSUES ARE CURRENTLY FRAMED BY A NEW GENERATION OF RESEARCHERS, BROUGHT TOGETHER FOR THE FIRST TIME INCLUDES AN INTRODUCTION AND GUIDE TO THE DEVELOPMENT OF SAFETY SCIENCE OVER THE LAST FOUR DECADES FEATURES AN EXTRAORDINARY COLLECTION OF EXPERT CONTRIBUTORS, INCLUDING PIONEERS OF SAFETY RESEARCH, REFLECTING THE EVOLUTION OF THE DISCIPLINE AND OFFERING INSIGHTFUL COMMENTARY ON THE CURRENT AND FUTURE STATE OF THE FIELD SERVES AS AN INVALUABLE REFERENCE AND GUIDE FOR SAFETY PROFESSIONALS AND STUDENTS FROM ANY ESTABLISHED DISCIPLINES SUCH AS SOCIOLOGY, ENGINEERING, PSYCHOLOGY, POLITICAL SCIENCE OR MANAGEMENT AS WELL AS DEDICATED SAFETY PROGRAMMES SOME FIGURES IN THE eBook ARE IN COLOUR

ENVIRONMENT, HEALTH AND SAFETY GOVERNANCE AND LEADERSHIP - WADDAH S. GHANEM AL HASHMI 2017-09-18

ENVIRONMENT, HEALTH AND SAFETY (EHS) MANAGEMENT HAS BECOME INCREASINGLY IMPORTANT IN THE PAST 10 YEARS, ESPECIALLY WITHIN HIGH RISK AND HIGH RELIABILITY ORGANIZATIONS. EHS IS DRIVEN FROM THE TOP OF AN ORGANIZATION, AND WHILST THERE HAS BEEN MUCH RESEARCH ON THE SUBJECT OF EHS LEADERSHIP, THERE IS VERY LITTLE ON EHS GOVERNANCE AND THE DIRECTOR'S ROLE IN LEADING OR INFLUENCING CHANGE IN ORGANIZATIONAL SAFETY/EHS PERFORMANCE. ENVIRONMENT, HEALTH AND SAFETY GOVERNANCE AND LEADERSHIP: THE MAKING OF HIGH RELIABILITY ORGANIZATIONS REVIEWS THE FACTORS INFLUENCING SAFETY/EHS LEADERSHIP AND GOVERNANCE AND ADDRESSES ALL THE AREAS WHERE THE ROLE IMPACTS ON THE PERFORMANCE AND SUSTAINABILITY OF ORGANIZATIONS. BASED ON THE AUTHOR'S IN-DEPTH RESEARCH, THE BOOK DRAWS ON MUCH OF THE BEST-PRACTICE STANDARDS DEVELOPED BY MANY LEADING ORGANIZATIONS SUCH AS THE UK HEALTH AND SAFETY EXECUTIVE (HSE), THE INSTITUTE OF DIRECTORS (IoD) AND THE ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (OECD). THIS BOOK PROVIDES EXCLUSIVE INSIGHTS AND LEGAL IMPERATIVES FOR PRACTITIONERS AND LEADERS TO INFORM DECISION MAKING, STRATEGY AND EHS GOVERNANCE, ALL OF WHICH CAN HAVE A FUNDAMENTAL IMPACT ON BUSINESS CONTINUITY, DEVELOPING COMPANY VALUE AND THE SUSTAINABILITY OF LARGE ORGANIZATIONS AROUND THE WORLD.

OCCUPATIONAL HEALTH AND SAFETY - SHARON CLARKE 2016-05-23

WORKPLACE ACCIDENTS AND ERRORS COST ORGANIZATIONS HUNDREDS OF BILLIONS OF DOLLARS EACH YEAR, AND THE INJURED WORKERS AND THEIR FAMILIES ENDURE CONSIDERABLE FINANCIAL AND EMOTIONAL SUFFERING. IT'S OBVIOUS THAT INCREASING EMPLOYEE HEALTH AND SAFETY PAYS. THE ACCUMULATING EVIDENCE SHOWS THAT INVESTING IN OCCUPATIONAL HEALTH AND SAFETY RESULTS IN IMPROVED FINANCIAL AND SOCIAL RESPONSIBILITY PERFORMANCE. THERE ARE EXTENSIVE COUNTRY DIFFERENCES AND WIDE OCCUPATIONAL DIFFERENCES IN THE INCIDENCE OF ACCIDENTS AND ERRORS. THE INTERNATIONAL LABOUR ORGANIZATION (ILO) ESTIMATES THAT EVERY YEAR THERE ARE 2.2 MILLION FATAL AND 270 MILLION NON-FATAL ACCIDENTS OR OCCUPATIONAL DISEASES WORLDWIDE. OCCUPATIONAL HEALTH AND SAFETY LOOKS AT THE RESEARCH INTO WHAT CAUSES ACCIDENTS AND ERRORS IN THE WORKPLACE. IN LINE WITH OTHER TITLES IN THE SERIES, OCCUPATIONAL HEALTH AND SAFETY EMPHASIZES THE PSYCHOLOGICAL AND BEHAVIORAL ASPECTS OF RISK IN ORGANIZATIONS. IT HIGHLIGHTS HOW ORGANIZATIONS DIFFER IN THEIR HEALTH AND SAFETY PERFORMANCE, WITH CASE STUDIES THROUGHOUT AND BEST PRACTICES. KEY ELEMENTS FOCUS ON: EMPLOYEE SELECTION AND TRAINING, FOSTERING EMPLOYEE UNDERSTANDING, PARTICIPATION AND ENGAGEMENT IN HEALTH AND SAFETY MATTERS, DEVELOPING A HEALTH AND SAFETY CULTURE AT ORGANIZATIONAL AND GROUP/WORK UNIT LEVELS, COMMUNICATING AND REINFORCING SAFE WORKPLACE PRACTICES AND BENCH-MARKING ONE'S ORGANIZATION AGAINST THE INDUSTRY LEADERS. THE CONTRIBUTORS TO THIS VOLUME COME FROM VARIOUS COUNTRIES, REFLECTING UNIQUE INTEREST AND KNOWLEDGE IN PARTICULAR AREAS.

OCCUPATIONAL SAFETY, HEALTH & ENVIRONMENT AND SUSTAINABLE ECONOMIC DEVELOPMENT - PRADEEP CHATURVEDI (ED.) 2007

IN INDIAN CONTEXT.

TO BE SAFE, YOU SHOULD ASSESS YOUR SAFETY CULTURE - THOMAS E. WILLIAMS 2012-06-01

HOW SAFE IS YOUR WORKPLACE? HOW SAFE ARE YOU? THIS IS A STRAIGHT-TALKING, EASY READING, HUMOROUS GUIDE FOR ASSESSING THE SAFETY CULTURE OF THE WORKPLACE AND OF AN INDIVIDUAL AS WELL. OFFERS SUGGESTIONS, THINGS TO LOOK FOR, AND QUESTIONS TO CONSIDER WHEN ASSESSING THE WORKPLACE SAFETY CULTURE.

THE EFFECTS OF SAFETY TRAINING AS A MODERATOR FOR THE RELATIONSHIP BETWEEN SAFETY CLIMATE AND PROCESS SAFETY - MOHAMED ALI AL MAZROUEI 2021

PROCESS SAFETY HAS ACQUIRED GLOBAL ATTENTION IN THE 21ST CENTURY DUE TO ITS ASSOCIATION WITH WORKPLACE ACCIDENTS AND INJURIES. EMPLOYERS AND OCCUPATIONAL HEALTH AND SAFETY (OHS) SPECIALISTS HAVE EXPRESSED INCREASING INTEREST IN ENHANCING PROCESS SAFETY DUE TO THE LINK BETWEEN POOR PROCESS SAFETY AND ADVERSE INCIDENTS SUCH AS EXPLOSIONS, FIRES, AND CHEMICAL SPILLS. SUCH CATASTROPHES CAN CAUSE SEVERE DAMAGE, SUCH AS FATALITIES, INJURIES, PROPERTY DESTRUCTION, ENVIRONMENTAL DEGRADATION, AND LOSS OF PRODUCTIVITY, PUTTING A SIGNIFICANT AND LONG-TERM FINANCIAL STRAIN ON ORGANIZATIONS. SEVERAL EVENTS HAVE BEEN REPORTED IN THE UNITED ARAB EMIRATES (UAE) OVER THE LAST DECADE. SOME OF THE UNFORTUNATE OCCURRENCES INCLUDE THE SHAH OIL FIELD RELEASE OF TOXIC HYDROGEN SULPHIDE IN 2009, IN WHICH THREE EMPLOYEES DIED, ANOTHER ACCIDENT IN BOROUGE WITH A BOILER EXPLOSION IN WHICH ONE EMPLOYEE DIED, AND THE 2017 EXPLOSION AT ADNOC REFINERY (TAKREER) FACILITY, WHICH RESULTED IN THE LOSS OF MILLIONS OF DOLLARS IN ASSETS. MANY OCCURRENCES WENT UNREPORTED DUE TO INTERNAL POLICY, FEAR OF NEGATIVE PUBLICITY, LITIGATION, AND THE NEED TO PROTECT SECRET INFORMATION. UNDERSTANDING THE ELEMENTS THAT INFLUENCE PROCESS SAFETY IS CRITICAL FOR IMPROVING PROCESS SAFETY AND REDUCING OCCUPATIONAL ACCIDENTS AND INJURIES. AS A RESULT, IT IS CRITICAL TO INVESTIGATE THE PROCESS SAFETY PARAMETERS IN THE CONTEXT OF THE ADNOC REFINERY. IT IS ALSO CRITICAL TO ASSESS THE IMPACT OF SAFETY CLIMATE VARIABLES ON PROCESS SAFETY AND EMPLOYEE PERCEPTION OF SAFETY TRAINING, STRENGTHENING THE RELATIONSHIP BETWEEN SAFETY CLIMATE ELEMENTS AND PROCESS SAFETY. DATA TRIANGULATION WAS USED IN THE STUDY, WHICH INVOLVED COMBINING DATA FROM FOCUS GROUP DISCUSSIONS, INTERVIEWS, AND QUANTITATIVE ANALYSIS. THE HYPOTHESES DEVELOPED ON THE RESEARCH MODEL WERE TESTED CONCURRENTLY USING SEM-AMOS PATH MODELLING. THE FINDINGS REVEALED THE SIGNIFICANT AND ROBUST IMPACT OF REPORTED TOP MANAGEMENT SAFETY COMMITMENT, MANAGEMENT SAFETY PRACTICES, AND SUPERVISORY SAFETY BEHAVIOUR ON PROCESS SAFETY, VALIDATING ALL THE HYPOTHESES. THE STUDY, HOWEVER, FOUND LITTLE SUPPORT FOR THE SAFETY TRAINING CONSTRUCT AS A MODERATOR BETWEEN SAFETY CLIMATE CHARACTERISTICS AND PROCESS SAFETY RELATIONSHIPS. THE CONSEQUENCES OF THIS STUDY ARE SIGNIFICANT FOR PROCESS SAFETY PRACTICES, THE PROCESS INDUSTRY AND THE OIL AND GAS SECTOR IN GENERAL. ACCORDING TO THE FINDINGS, MEDIUM AND LOWER-LEVEL EMPLOYEES EVALUATE PROCESS SAFETY ON AN OVERALL AND DIMENSIONAL LEVEL (EMPLOYEE SAFETY ENGAGEMENT, EMPLOYEES' SAFETY PERFORMANCE AND SAFE WORKING ENVIRONMENT). THESE FINDINGS INCREASE A MANAGER'S AND AN ORGANIZATION'S MANAGEMENT LEVEL'S COMPREHENSION OF HOW EMPLOYEES PERCEIVE PROCESS SAFETY AND TIE THIS ASPECT TO SAFETY CLIMATE IN PARTICULAR AND SAFETY CULTURE IN THE GENERAL WORKPLACE ENVIRONMENT.

HAZARDS XVI - INSTITUTION OF CHEMICAL ENGINEERS (GREAT BRITAIN) 2001

WHAT WENT WRONG? - TREVOR KLETZ 2019-06-06

WHAT WENT WRONG? 6TH EDITION PROVIDES A COMPLETE ANALYSIS OF THE DESIGN, OPERATIONAL, AND MANAGEMENT CAUSES OF PROCESS PLANT ACCIDENTS AND DISASTERS. CO-AUTHOR PAUL AMYOTTE HAS BUILT ON TREVOR KLETZ'S LEGACY BY INCORPORATING QUESTIONS AND PERSONAL EXERCISES AT THE END OF EACH MAJOR BOOK SECTION. CASE HISTORIES ILLUSTRATE WHAT WENT WRONG AND WHY IT WENT WRONG, AND THEN GUIDE READERS IN HOW TO AVOID SIMILAR TRAGEDIES AND LEARN WITHOUT HAVING TO EXPERIENCE THE LOSS INCURRED BY OTHERS. UPDATED THROUGHOUT AND EXPANDED, THIS SIXTH EDITION IS THE ULTIMATE RESOURCE OF EXPERIENCED-BASED ANALYSIS AND GUIDANCE FOR SAFETY AND LOSS PREVENTION PROFESSIONALS. 20% NEW MATERIAL AND UPDATING OF EXISTING CONTENT WITH PARTS A AND B NOW COMBINED EXPOSITION OF TOPICAL CONCEPTS INCLUDING NATECH EVENTS, PROCESS SECURITY, WARNING SIGNS, AND DOMINO EFFECTS NEW CASE HISTORIES AND LESSONS LEARNED DRAWN FROM OTHER INDUSTRIES AND APPLICATIONS SUCH AS LABORATORIES, PILOT PLANTS, BIOPROCESS PLANTS, AND ELECTRONICS MANUFACTURING FACILITIES

RELIABILITY AND PROBABILISTIC SAFETY ASSESSMENT IN MULTI-UNIT NUCLEAR POWER PLANTS - SENTHIL C. KUMAR 2023-02-09

RELIABILITY AND PROBABILISTIC SAFETY ASSESSMENT IN MULTI-UNIT NUCLEAR POWER PLANTS PRESENTS THE RISK CONTRIBUTIONS FROM SINGLE AND MULTI-UNIT NUCLEAR POWER PLANTS TO HELP AGGREGATE THE RISKS THAT MAY ARISE DUE TO APPLICABLE HAZARDS AND OPERATING STATES. THE BOOK COMBINES THE KEY FEATURES OF MULTI-UNIT RISK ASSESSMENT IN ONE RESOURCE, REVIEWING THE PRACTICES ADOPTED IN VARIOUS COUNTRIES AROUND THE GLOBE TO EXEMPLIFY THE DEPENDENCIES BETWEEN UNITS ON A SITE. THESE DEPENDENCIES INCLUDE MULTI-UNIT INTERACTIONS, ENVIRONMENTAL STRESSES, THE SHARING OF SYSTEMS, AND THE SHARING OF HUMAN RESOURCE IN A CONTROL ROOM, FACTORS WHICH CAN ALL INTRODUCE AN INCREASE POTENTIAL FOR HEIGHTENED ACCIDENT CONDITIONS. THIS BOOK HELPS READERS SYSTEMATICALLY IDENTIFY EVENTS AND EVALUATE TECHNIQUES OF POSSIBLE ACCIDENT OUTCOMES WITHIN MULTI-UNITS. IT SERVES AS A READY REFERENCE FOR PSA ANALYSTS IN IDENTIFYING A SUITABLE SITE AND THE SHARING OF RESOURCES, WHILE CARRYING OUT MULTI-UNIT RISK ASSESSMENTS TO ENSURE THE SAFETY OF THE PUBLIC AND THE ENVIRONMENT. IT WILL ALSO BE VALUABLE FOR NUCLEAR RESEARCHERS, DESIGNERS AND REGULATORS OF NUCLEAR POWER PLANTS, NUCLEAR REGULATORY AGENCIES, PSA ENGINEERS AND PRACTICING SAFETY PROFESSIONALS. PROVIDES A FRAMEWORK FOR NUCLEAR AND PSA

RESEARCHERS AND PROFESSIONALS ON THE DESIGN AND OPERATION OF MULTI-UNIT RISK ASSESSMENTS REVIEWS PRACTICES ADOPTED IN VARIOUS REGIONS AROUND THE GLOBE TO ANALYZE DEPENDENCIES BETWEEN UNITS INCLUDES MODELING TECHNIQUES OF INTER-CONNECTIONS AND SHARED RESOURCES, AS WELL AS RISK AGGREGATION

SAFETY CULTURE - JAMES ROUGHTON 2019-02-21

SAFETY CULTURE, SECOND EDITION, PROVIDES SAFETY PROFESSIONALS, CORPORATE SAFETY LEADERS, MEMBERS OF LEADERSHIP, AND COLLEGE STUDENTS AN UPDATED BOOK ON SAFETY LEADERSHIP AND TECHNIQUES FOR THE DEVELOPMENT OF A SAFETY CULTURE. THE BOOK OFFERS GUIDANCE ON THE DEVELOPMENT, IMPLEMENTATION, AND COMMUNICATION OF A SAFETY MANAGEMENT SYSTEM. THE SECOND EDITION INCLUDES A DISCUSSION ON THE PERCEPTION OF SAFETY, ANALYZING THE SAFETY CULTURE, DEVELOPING A COMMUNICATIONS NETWORK, EMPLOYEE INVOLVEMENT, RISK PERCEPTION, CURATION, AND TOOLS TO ENHANCE THE SAFETY MANAGEMENT SYSTEM. UPDATED MATERIALS ON THE ACTIVITY-BASED SAFETY SYSTEM, JOB HAZARD ANALYSIS, AND SAFETY TRAINING NEW SECTIONS ON SAFETY LEADERSHIP AND ITS APPLICATION A NEW CHAPTER ON DEVELOPING A CONTENT CREATION STRATEGY SUPPORTING THE SAFETY MANAGEMENT SYSTEM AN ARRAY OF SUGGESTED SOFTWARE AND SOCIAL MEDIA TOOLS

ENVIRONMENTAL IMPACTS OF TRANSNATIONAL CORPORATIONS IN THE GLOBAL SOUTH - PAUL COONEY 2018-11-30

THIS VOLUME EXPLORES THE IMPACT OF TRANSNATIONAL CORPORATIONS (TNCs) ON THE ENVIRONMENT OF THE GLOBAL SOUTH DURING THIS PERIOD OF NEOLIBERAL GLOBALIZATION. IT DEVELOPS THEMES AROUND TRANSNATIONAL EXTRACTIVE ACTIVITY; THE IMPACT OF TRANSNATIONAL CAPITAL ON INDIGENOUS POPULATIONS, AND THE ROLE PLAYED BY INTERNATIONAL INSTITUTIONS,

PETROLEUM REFINING DESIGN AND APPLICATIONS HANDBOOK, VOLUME 5 - A. KAYODE COKER 2023-06-22

PETROLEUM REFINING WITH NO NEW REFINERIES HAVING BEEN BUILT IN DECADES, COMPANIES CONTINUE TO BUILD ONTO OR REVERSE ENGINEER AND RE-TOOL EXISTING REFINERIES. WITH SO MANY CHANGES IN THE LAST FEW YEARS ALONE, BOOKS LIKE THIS ARE VERY MUCH IN NEED. THERE IS TRULY A RENAISSANCE FOR CHEMICAL AND PROCESS ENGINEERING GOING ON RIGHT NOW ACROSS MULTIPLE INDUSTRIES. THIS FIFTH AND FINAL VOLUME IN THE "PETROLEUM REFINING DESIGN AND APPLICATIONS HANDBOOK" SET, THIS BOOK CONTINUES THE MOST UP-TO-DATE AND COMPREHENSIVE COVERAGE OF THE MOST SIGNIFICANT AND RECENT CHANGES TO PETROLEUM REFINING, PRESENTING THE STATE-OF-THE-ART TO THE ENGINEER, SCIENTIST, OR STUDENT. BESIDES THE LIST BELOW, THIS GROUNDBREAKING NEW VOLUME DESCRIBES BLENDING OF PRODUCTS FROM THE REFINERY, APPLYING THE TERNARY DIAGRAMS AND CLASSIFICATIONS OF CRUDE OILS, FLASH POINT BLENDING, POUR POINT BLENDING, ANILINE POINT BLENDING, SMOKE POINT AND VISCOSITY BLENDING, CETANE AND DIESEL INDICES. THE VOLUME FURTHER REVIEWS REFINERY OPERATIONAL COST, COST ALLOCATION OF ACTUAL USAGE, PROJECT AND ECONOMIC EVALUATION INVOLVING COST ESTIMATION, CASH FLOW INVOLVING RETURN ON INVESTMENT, NET PRESENT VALUES, DISCOUNTED CASH FLOW RATE OF RETURN, NET PRESENT VALUES, PAYBACK PERIOD, INFLATION AND SENSITIVITY ANALYSIS, AND SO ON. IT REVIEWS GLOBAL EFFECTS ON THE REFINING ECONOMY, CARBON TAX, CARBON FOOT PRINT, GLOBAL WARMING POTENTIAL, CARBON DIOXIDE EQUIVALENT, CARBON CREDIT, CARBON OFFSET, CARBON PRICE, AND SO ON. IT REVIEWS SUSTAINABILITY IN PETROLEUM REFINING AND ALTERNATIVE FUELS (BIOFUELS AND SO ON), IMPACT OF THE OVERALL GREENHOUSE EFFECTS, CARBON CAPTURE AND STORAGE IN REFINERIES, PROCESS INTENSIFICATION IN BIODIESEL, BIOFUEL FROM GREEN DIESEL, ACID-GAS REMOVAL AND EMERGING TECHNOLOGIES, CARBON CAPTURE AND STORAGE, GAS HEATED REFORMER UNIT, PRESSURE SWING ADSORPTION PROCESS, STEAM METHANE REFORMING FOR FUEL CELLS, GREY, BLUE AND GREEN HYDROGEN PRODUCTION, NEW TECHNOLOGIES FOR CARBON CAPTURE AND STORAGE, CARBON CLEAN PROCESS DESIGN, REFINERY OF THE FUTURE, REFINING AND PETROCHEMICAL INDUSTRY CHARACTERISTICS. THE TEXT IS PACKED WITH EXCEL SPREADSHEET CALCULATIONS AND HONEYWELL UNISIM DESIGN SOFTWARE IN SOME EXAMPLES, AND IT INCLUDES AN INVALUABLE GLOSSARY OF PETROLEUM AND PETROCHEMICAL TECHNICAL TERMINOLOGIES. USEFUL AS A TEXTBOOK, THIS IS ALSO AN EXCELLENT, HANDY GO-TO REFERENCE FOR THE VETERAN ENGINEER, A VOLUME NO CHEMICAL OR PROCESS ENGINEERING LIBRARY SHOULD BE WITHOUT. WRITTEN BY ONE OF THE WORLD'S FOREMOST AUTHORITIES, THIS BOOK SETS THE STANDARD FOR THE INDUSTRY AND IS AN INTEGRAL PART OF THE PETROLEUM REFINING RENAISSANCE. IT IS TRULY A MUST-HAVE FOR ANY PRACTICING ENGINEER OR STUDENT IN THIS AREA.

BLACK BEACHES AND BAYOUS - LISA A. EARGLE 2012-11-02

THIS BOOK DISCUSSES ONE OF THE MAJOR U.S. DISASTER EVENTS WITHIN THE PAST TEN YEARS. SCHOLARS FROM VARIOUS BACKGROUNDS ADDRESS TOPICS INCLUDING THE SOCIAL AND PSYCHOLOGICAL IMPACTS ON GULF COAST RESIDENTS, THE TRANSFORMATION OF NATURAL ECOLOGICAL SYSTEMS, AND MEDIA PORTRAYALS OF THE OBAMA ADMINISTRATION AND ITS RESPONSE TO THIS DISASTER.

SAFETY AND RELIABILITY IN THE OIL AND GAS INDUSTRY - B.S. DHILLON 2016-04-27

AN INSIGHTFUL GUIDE TO AVOIDING OFFSHORE OIL- AND GAS-INDUSTRY DISASTER DESIGNING, CONSTRUCTING, OPERATING, AND MAINTAINING OFFSHORE OIL AND GAS INDUSTRY EQUIPMENT AND SYSTEMS CAN SOMETIMES RESULT IN ACCIDENTS, INJURIES, AND OTHER SERIOUS PROBLEMS. SAFETY AND RELIABILITY IN THE OIL AND GAS INDUSTRY: A PRACTICAL APPROACH FOCUSES ON OIL AND GAS INDUSTRY EQUIPMENT RELIABILITY, OFFERS USEFUL AND UP-TO-DATE INFORMATION ON THE SUBJECT, AND COVERS IN A SINGLE VOLUME THE MOST COMMON SAFETY AND RELIABILITY ENGINEERING ISSUES IN THE OIL AND GAS INDUSTRY. THE BOOK INTRODUCES THE LATEST DEVELOPMENTS IN THE AREA, AND PROVIDES RELEVANT METHODS AND APPROACHES. IT ALSO PRESENTS IMPORTANT ASPECTS OF VARIOUS CASE STUDIES ON MAJOR ACCIDENTS IN THE OIL AND GAS INDUSTRY, AND CONSIDERS HUMAN FACTORS THAT CONTRIBUTE TO ACCIDENTS AND FATALITIES IN THE AREA OF OIL AND GAS. ADDITIONALLY, THIS BOOK DESCRIBES: MATHEMATICAL CONCEPTS OIL AND GAS INDUSTRY EQUIPMENT RELIABILITY CHARACTERISTICS ACCIDENT DATA AND ANALYSIS MATHEMATICAL MODELS USED FOR PERFORMING SAFETY AND RELIABILITY-RELATED ANALYSES IN THE INDUSTRY SAFETY AND RELIABILITY IN THE OIL AND GAS INDUSTRY: A PRACTICAL APPROACH COVERS IMPORTANT ASPECTS OF SAFETY IN THE OFFSHORE OIL AND GAS INDUSTRY. A REFERENCE DESIGNED WITH ENGINEERING PROFESSIONALS IN MIND, THIS BOOK CAN ALSO BE USED IN OIL- AND GAS-INDUSTRY-RELATED COURSES, AND SERVES AS A GUIDE FOR ANYONE CONCERNED WITH SAFETY AND RELIABILITY IN THE AREA OF OIL AND GAS.

LEAN SUSTAINABILITY - DENNIS AVERILL 2016-04-19

THE JAPAN INSTITUTE OF PLANT MAINTENANCE DEFINES SAFETY AS THE MAINTENANCE OF PEACE OF MIND. WITHOUT PEACE OF MIND, OR THE SERENITY BROUGHT ABOUT BY A SAFE WORKING ENVIRONMENT, EMPLOYEES WILL BE UNWILLING AND EVEN UNABLE TO FOCUS THEIR ENERGIES ON PRODUCTION IMPROVEMENT. THUS, IT CAN BE SAID THAT ALL IMPROVEMENT BEGINS WITH SAFETY. WINNER OF A 2013 SHINGO RESEARCH AND PROFESSIONAL PUBLICATION AWARD! A HOW-TO MANUAL ON THE PROPER INTEGRATION OF SAFETY AND ENVIRONMENTAL SUSTAINABILITY WITH LEAN IMPLEMENTATIONS, LEAN SUSTAINABILITY: CREATING SAFE, ENDURING, AND PROFITABLE OPERATIONS PROVIDES A PROVEN RECIPE FOR ACHIEVING SAFETY AND SUSTAINABILITY EXCELLENCE. THIS BOOK IS THE RESULT OF THE AUTHOR'S TWO DECADES OF EXPERIENCE IMPLEMENTING LEAN; SAFETY, HEALTH, AND ENVIRONMENTAL (SHE); AND SUSTAINABILITY PROCESSES IN THE CHEMICAL, FOOD, AND CONSUMER PRODUCTS INDUSTRIES. IT UNVEILS VALUABLE LESSONS LEARNED AND LITTLE-KNOWN TIPS FOR ELIMINATING WASTE AND INCREASING PROCESS EFFICIENCY—WHILE REDUCING SAFETY INCIDENTS AND THE OVERALL IMPACT ON THE ENVIRONMENT. THE TEXT ILLUSTRATES HOW TO USE THE SHE PILLAR AS A GATEWAY TO CONTINUOUS IMPROVEMENT, REGARDLESS OF THE IMPROVEMENT METHODOLOGY YOU USE. BOLSTERED WITH PROVEN METHODOLOGIES AND REAL-WORLD ADVICE, IT INTRODUCES NOVEL APPROACHES FOR ACHIEVING SAFETY AND SUSTAINABILITY EXCELLENCE, INCLUDING: AUTONOMOUS SAFETY—SUPPLYING EMPLOYEES WITH THE KNOWLEDGE, SKILLS, AND MOTIVATION TO WORK SAFELY TRIPLE ZERO—THE ACHIEVEMENT OF ZERO ACCIDENTS, ZERO ENVIRONMENTAL INCIDENTS, AND ZERO LOSSES GREEN VALUE STREAM MAPPING—THE APPLICATION OF VALUE STREAM MAPPING TO ENVIRONMENTAL AND SUSTAINABILITY ISSUES ALTHOUGH THERE ARE MANY BOOKS ON LEAN, SUSTAINABILITY, AND SHE, FEW EXPLAIN HOW TO INTEGRATE THESE DYNAMIC TOOLS. WALKING YOU THROUGH THIS PROCESS, THIS BOOK SUPPLIES THE TOOLS TO CREATE A SYNERGY THAT WILL BOOST EFFICIENCIES ACROSS ALL SEGMENTS OF YOUR BUSINESS. FOLLOW ITS ADVICE AND YOU'LL BE ON YOUR WAY TO MAKING YOUR ORGANIZATION AND EMPLOYEES LEAN, GREEN, AND SERENE.

SAFETY AND RELIABILITY – SAFE SOCIETIES IN A CHANGING WORLD - STEIN HAUGEN 2018-06-15

SAFETY AND RELIABILITY – SAFE SOCIETIES IN A CHANGING WORLD COLLECTS THE PAPERS PRESENTED AT THE 28TH EUROPEAN SAFETY AND RELIABILITY CONFERENCE, ESREL 2018 IN TRONDHEIM, NORWAY, JUNE 17-21, 2018. THE CONTRIBUTIONS COVER A WIDE RANGE OF METHODOLOGIES AND APPLICATION AREAS FOR SAFETY AND RELIABILITY THAT CONTRIBUTE TO SAFE SOCIETIES IN A CHANGING WORLD. THESE METHODOLOGIES AND APPLICATIONS INCLUDE: - FOUNDATIONS OF RISK AND RELIABILITY ASSESSMENT AND MANAGEMENT - MATHEMATICAL METHODS IN RELIABILITY AND SAFETY - RISK ASSESSMENT - RISK MANAGEMENT - SYSTEM RELIABILITY - UNCERTAINTY ANALYSIS - DIGITALIZATION AND BIG DATA - PROGNOSTICS AND SYSTEM HEALTH MANAGEMENT - OCCUPATIONAL SAFETY - ACCIDENT AND INCIDENT MODELING - MAINTENANCE MODELING AND APPLICATIONS - SIMULATION FOR SAFETY AND RELIABILITY ANALYSIS - DYNAMIC RISK AND BARRIER MANAGEMENT - ORGANIZATIONAL FACTORS AND SAFETY CULTURE - HUMAN FACTORS AND HUMAN RELIABILITY - RESILIENCE ENGINEERING - STRUCTURAL RELIABILITY - NATURAL HAZARDS - SECURITY - ECONOMIC ANALYSIS IN RISK MANAGEMENT SAFETY AND RELIABILITY – SAFE SOCIETIES IN A CHANGING WORLD WILL BE INVALUABLE TO ACADEMICS AND PROFESSIONALS WORKING IN A WIDE RANGE OF INDUSTRIAL AND GOVERNMENTAL SECTORS: OFFSHORE OIL AND GAS, NUCLEAR ENGINEERING, AERONAUTICS AND AEROSPACE, MARINE TRANSPORT AND ENGINEERING, RAILWAYS, ROAD TRANSPORT, AUTOMOTIVE ENGINEERING, CIVIL ENGINEERING, CRITICAL INFRASTRUCTURES, ELECTRICAL AND ELECTRONIC ENGINEERING, ENERGY PRODUCTION AND DISTRIBUTION, ENVIRONMENTAL ENGINEERING, INFORMATION TECHNOLOGY AND TELECOMMUNICATIONS, INSURANCE AND FINANCE, MANUFACTURING, MARINE TRANSPORT, MECHANICAL ENGINEERING, SECURITY AND PROTECTION, AND POLICY MAKING.

ESSENTIAL PRACTICES FOR CREATING, STRENGTHENING, AND SUSTAINING PROCESS SAFETY CULTURE - CCPS (CENTER FOR CHEMICAL PROCESS SAFETY) 2018-07-31

AN ESSENTIAL GUIDE THAT OFFERS AN UNDERSTANDING OF AND THE PRACTICES NEEDED TO ASSESS AND STRENGTHEN PROCESS SAFETY CULTURE ESSENTIAL PRACTICES FOR DEVELOPING, STRENGTHENING AND IMPLEMENTING PROCESS SAFETY CULTURE PRESENTS A MUCH-NEEDED GUIDE FOR UNDERSTANDING AN ORGANIZATION'S WORKING CULTURE AND CONTAINS INFORMATION ON WHY A GOOD CULTURE IS ESSENTIAL FOR SAFE, COST-EFFECTIVE, AND HIGH-QUALITY OPERATIONS. THE TEXT DEFINES PROCESS SAFETY CULTURE AND OFFERS INFORMATION ON A SAFETY CULTURE'S HISTORY, ORGANIZATIONAL IMPACT AND BENEFITS, AND THE ROLE THAT LEADERSHIP PLAYS AT ALL LEVELS OF AN ORGANIZATION. IN ADDITION, THE BOOK OUTLINES THE CORE PRINCIPLES NEEDED TO ASSESS AND STRENGTHEN PROCESS SAFETY CULTURE SUCH AS: MAINTAIN A SENSE OF VULNERABILITY; COMBAT NORMALIZATION OF DEVIANCE; ESTABLISH AN IMPERATIVE FOR SAFETY; PERFORM VALID, TIMELY, HAZARD AND RISK ASSESSMENTS; ENSURE OPEN AND FRANK COMMUNICATIONS; LEARN AND ADVANCE THE CULTURE. THIS IMPORTANT GUIDE ALSO REVIEWS LEADERSHIP STANDARDS WITHIN THE ORGANIZATIONAL STRUCTURE, WARNING SIGNS OF CULTURAL DEGRADATION AND REMEDIES, AS WELL AS THE IMPORTANCE OF USING DIVERSE METHODS OVER TIME TO ASSESS CULTURE. THIS VITAL RESOURCE: PROVIDES AN OVERVIEW FOR UNDERSTANDING AN ORGANIZATION'S WORKING CULTURE OFFERS GUIDANCE ON WHY A GOOD CULTURE IS ESSENTIAL FOR SAFE, COST-EFFECTIVE, AND HIGH QUALITY OPERATIONS INCLUDES DOWN-TO-EARTH ADVICE FOR RECOGNIZING, ASSESSING, STRENGTHENING AND SUSTAINING A GOOD PROCESS SAFETY CULTURE CONTAINS ILLUSTRATIVE EXAMPLES AND CASES STUDIES, AND REFERENCES TO LITERATURE, CODES, AND STANDARDS WRITTEN FOR CORPORATE, BUSINESS AND LINE MANAGERS, ENGINEERS, AND PROCESS SAFETY PROFESSIONALS INTERESTED IN EXCELLENT PERFORMANCE FOR THEIR ORGANIZATION, ESSENTIAL PRACTICES FOR DEVELOPING, STRENGTHENING AND IMPLEMENTING PROCESS SAFETY CULTURE IS THE GO-TO REFERENCE FOR IMPLEMENTING AND KEEPING IN PLACE A CULTURE OF SAFETY.

PREVENTING CORPORATE ACCIDENTS - R B WHITTINGHAM 2012-06-25

THE PASSING OF THE CORPORATE MANSLAUGHTER AND CORPORATE HOMICIDE BILL IN THE UK AND INCREASING PUBLIC AND INVESTOR PRESSURE FOR GOOD CORPORATE GOVERNANCE AND CORPORATE SOCIAL RESPONSIBILITY, MEANS ORGANIZATIONS NOW, MORE THAN EVER, NEED TO ENSURE THEY DO ALL THEY CAN TO PREVENT MAJOR ACCIDENTS. HOWEVER, PAST EXPERIENCE SHOWS THAT JUST IMPLEMENTING SAFETY MANAGEMENT SYSTEMS IS NOT ENOUGH AND THIS BOOK MAKES THE CASE FOR A MORE HOLISTIC AND ETHICAL APPROACH TO IMPROVING CORPORATE SYSTEMS AS A WHOLE. PREVENTING CORPORATE ACCIDENTS SHOWS

HOW MAJOR ACCIDENTS CAN RESULT FROM HUMAN ERROR AND DEFECTS IN CORPORATE SYSTEMS. THE BOOK DESCRIBES ACCIDENT PREVENTION STRATEGIES, FROM SAFETY CULTURE, SAFETY MANAGEMENT SYSTEMS, FORESIGHT AND PLANNING TO SAFETY REGULATIONS, CORPORATE ETHICS, CORPORATE SOCIAL RESPONSIBILITY AND THE LEARNING ORGANIZATION. BARRY WHITTINGHAM ILLUSTRATES WITH INTERNATIONAL CASE STUDIES FROM VARIOUS INDUSTRIES HOW AND WHY THESE DEFENCES HAVE FAILED IN THE PAST, AND MORE IMPORTANTLY, HOW TO STRENGTHEN CORPORATE SYSTEMS TO PREVENT FUTURE MAJOR ACCIDENTS. THE CASE STUDIES INCLUDE: THE LOSS OF THE SPACE SHUTTLE COLUMBIA INFANT HEART SURGERY AT BRISTOL ROYAL INFIRMARY THE DAVIS-BESSE NUCLEAR POWER PLANT INCIDENT THE FIRE AND EXPLOSION AT THE CONOCO-PHILLIPS HUMBER OIL REFINERY HERALD OF FREE ENTERPRISE AND SOUTHALL RAIL ACCIDENT MANSLAUGHTER PROSECUTIONS THIS BOOK IS ESSENTIAL READING FOR ALL THOSE WITH A PROFESSIONAL INTEREST IN HEALTH AND SAFETY MANAGEMENT, THE CONTROL OF MAJOR RISK AND ACCIDENT PREVENTION, IN PARTICULAR FOR DIRECTORS, SENIOR MANAGERS AND HEALTH & SAFETY PROFESSIONALS IN HIGH-HAZARD INDUSTRIES AND PUBLIC OPERATIONS, SUCH AS NUCLEAR, CHEMICALS, CONSTRUCTION, OIL AND GAS, ENERGY, MANUFACTURING AND TRANSPORTATION. BARRY WHITTINGHAM HAS WORKED AS A SENIOR MANAGER, DESIGN ENGINEER AND CONSULTANT FOR THE CHEMICAL, NUCLEAR, OFFSHORE, OIL AND GAS, RAILWAY AND AVIATION SECTORS. HE DEVELOPED A CAREER AS A SAFETY CONSULTANT SPECIALIZING IN THE HUMAN FACTORS ASPECTS OF ACCIDENT CAUSATION. BARRY IS A FELLOW OF THE SAFETY AND RELIABILITY SOCIETY.

IAENG TRANSACTIONS ON ENGINEERING TECHNOLOGIES - GI-CHUL YANG 2014-07-08

THIS BOOK CONTAINS FIFTY-EIGHT REVISED AND EXTENDED RESEARCH ARTICLES WRITTEN BY PROMINENT RESEARCHERS PARTICIPATING IN THE ADVANCES IN ENGINEERING TECHNOLOGIES AND PHYSICAL SCIENCE CONFERENCE, HELD IN LONDON, U.K., 4-6 JULY, 2012. TOPICS COVERED INCLUDE APPLIED AND ENGINEERING MATHEMATICS, COMPUTATIONAL STATISTICS, MECHANICAL ENGINEERING, BIOENGINEERING, INTERNET ENGINEERING, WIRELESS NETWORKS, KNOWLEDGE ENGINEERING, COMPUTATIONAL INTELLIGENCE, HIGH PERFORMANCE COMPUTING, MANUFACTURING ENGINEERING, AND INDUSTRIAL APPLICATIONS. THE BOOK OFFERS THE STATE OF ART OF TREMENDOUS ADVANCES IN ENGINEERING TECHNOLOGIES AND PHYSICAL SCIENCE AND APPLICATIONS, AND ALSO SERVES AS AN EXCELLENT REFERENCE WORK FOR RESEARCHERS AND GRADUATE STUDENTS WORKING ON ENGINEERING TECHNOLOGIES AND PHYSICAL SCIENCE AND APPLICATIONS.

ROUTLEDGE INTERNATIONAL HANDBOOK OF SOCIAL AND ENVIRONMENTAL CHANGE -

STEWART LOCKIE 2013-10-30

THIS BOOK REVIEWS THE MAJOR WAYS IN WHICH SOCIAL SCIENTISTS ARE CONCEPTUALIZING MORE INTEGRATED PERSPECTIVES ON SOCIETY AND NATURE, FROM THE GLOBAL TO LOCAL LEVELS. THE CHAPTERS IN THIS VOLUME, BY INTERNATIONAL EXPERTS FROM A VARIETY OF DISCIPLINES, EXPLORE THE CHALLENGES, CONTRADICTIONS AND CONSEQUENCES OF SOCIALECOLOGICAL CHANGE, ALONG WITH THE UNCERTAINTIES AND GOVERNANCE DILEMMAS THEY CREATE.

SERVICE-ORIENTED PERSPECTIVES IN DESIGN SCIENCE RESEARCH - HEMANT JAIN

2011-04-21

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON SERVICE-ORIENTED PERSPECTIVES IN DESIGN SCIENCE RESEARCH, DERIST 2011, HELD IN MILWAUKEE, WI, USA, IN MAY 2011. THE 29 REVISED FULL PAPERS PRESENTED TOGETHER WITH 5 REVISED SHORT PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 50 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON DESIGN THEORY, DESIGN SCIENCE RESEARCH STRATEGIES, DESIGN METHODS AND TECHNIQUES, DESIGN EVALUATION, DESIGN GUIDELINES, SERVICE-ORIENTED PERSPECTIVES IN DESIGN SCIENCE, PROCESS DESIGN, NEUROSCIENCE IN DESIGN RESEARCH, AND DESIGNING FOR SOCIAL MEDIA.

SAFETY CULTURE - DR JOHN BERNARD TAYLOR 2012-08-28

FACILITY SAFETY IS AN IMPORTANT COMMERCIAL RISK AND IT HAS TO BE MANAGED INSISTS JOHN TAYLOR IN SAFETY CULTURE. FOLLOWING AN ACCIDENT, THE LACK OF A 'GOOD' SAFETY MANAGEMENT SYSTEM, COMPOUNDED BY A 'POOR' SAFETY CULTURE, IS A CHARGE OFTEN LAID ON ORGANISATIONS. ACCIDENTS CAN TAKE UP TO THIRTY PERCENTAGE POINTS OFF ANNUAL PROFITS AND, OFTEN, FAILURE TO MANAGE SAFETY HAS A MUCH LARGER SOCIAL COST THAT CAN INVOLVE FATALITIES OR SERIOUS INJURY TO MEMBERS OF THE WORKFORCE AND PUBLIC. THIS HAS BEEN STARKLY DEMONSTRATED IN THE RAILWAY INDUSTRY, THE INTERNATIONAL ATOMIC ENERGY INDUSTRY, AND THROUGH EVENTS IN THE OIL EXPLORATION AND REFINERY INDUSTRY. IN BUSINESS TERMS, THE ULTIMATE COST CAN BE RECEIVERSHIP. SAFETY CULTURE HIGHLIGHTS EXAMPLES RANGING FROM THE LOSS OF THE TITANIC, TO BHOPAL, AND THE TOKAIMURA CRITICALITY EVENT. IN IT DR TAYLOR ARGUES THAT TO MINIMISE RISKS, ANY HAZARDOUS FACILITY REQUIRES ROBUSTLY ENGINEERED SAFETY SYSTEMS, AN EFFECTIVE MANAGEMENT SYSTEM AND A DEVELOPED ORGANISATIONAL SAFETY CULTURE. SAFETY CULTURE IS A COMPLEX SOCIAL/SCIENTIFIC CONCEPT AND DR TAYLOR DEMYSTIFIES IT WITH REFERENCE TO THEORY NORMALLY ASSOCIATED WITH MAINSTREAM BUSINESS DEVELOPMENT AND CHANGE PROCESSES. SECTIONS OF THE BOOK DEAL WITH USING SAFETY CULTURE THEORY AS A PREDICTIVE MODEL, THE ASSESSMENT OF SAFETY CULTURE, AND HOW TO INFLUENCE CULTURE CHANGE TO PRODUCE THE DESIRED ORGANISATIONAL BEHAVIOURS. THIS IS A PRACTICALLY FOCUSED BOOK FROM AN AUTHOR WITH VAST EXPERIENCE AT THE TOP LEVEL OF HIGH HAZARD INDUSTRIES, HE BRINGS TOGETHER CURRENT ACADEMIC THINKING ON THE CONCEPT OF SAFETY CULTURE AND PROVIDES AUTHORITATIVE PRACTICAL GUIDANCE FOR OPERATIONAL EXECUTIVES, MANAGERS AND FOR STUDENTS IN SCIENCE, SAFETY TECHNOLOGY AND ENGINEERING DISCIPLINES.

CORPORATE GOVERNANCE AS A LIMITED LEGAL CONCEPT - CORNELIS DE GROOT 2009-01-01

THE CONCEPT OF CORPORATE GOVERNANCE HAS COME UNDER INTENSE PUBLIC SCRUTINY IN RECENT YEARS. BUSINESS PEOPLE EVERYWHERE ARE ASKING: WHAT EXACTLY DOES AND HOW GOOD AND HOW CORPORATE GOVERNANCE ENTAIL? WHICH ASPECTS OF IT ARE LEGALLY BINDING, AND IN WHAT WAYS IS IT MERELY A SET OF EXPECTATIONS ON HOW CORPORATIONS SHOULD BE ORGANIZED IDEALLY? NOWHERE ARE THESE IMPORTANT QUESTIONS ANSWERED MORE PRECISELY - NOWHERE ARE THE LINES MORE CLEARLY DRAWN - THAN IN THE INSIGHTFUL SYNTHESIS OF STATUTORY LAW, CASE LAW, AND ORGANIZATIONAL THEORY PRESENTED IN THIS BOOK. RECOGNIZING THAT THE CONCEPT OF AND HOW GOOD AND HOW CORPORATE GOVERNANCE IS NOT DRAMATICALLY DIFFERENT FROM ONE JURISDICTION TO ANOTHER BUT REPRESENTS AN INTERNATIONAL PHENOMENON THAT HAS TO A REASONABLE EXTENT THE SAME

CHARACTERISTICS EVERYWHERE, THE AUTHOR PROCEEDS, WITH DETAILED ANALYSIS, THROUGH A SERIES OF ISSUES THAT (HE SHOWS) MAKE UP THE BRUNT OF CORPORATE GOVERNANCE. EACH OF THESE ISSUES IN TURN GIVES RISE TO SUCH SPECIFIC PROBLEM AREAS AS THE FOLLOWING: BOARD COMPENSATION AND EXECUTIVE COMPENSATION; UNITARY AND DUAL BOARD STRUCTURES; MONITORING MANAGEMENT; LEGAL PARAMETERS OF AND HOW MISMANAGEMENT AND HOW; THE AND HOW SUPERVISORY GAP AND HOW; AUDIT, SELECTION AND APPOINTMENT AND REMUNERATION COMMITTEES; DIRECTOR TENURE AND RETIREMENT POLICY; RISK MANAGEMENT AND RISK REPORTING; CORPORATE SAFETY CULTURE; CONFLICTS OF INTEREST; WHISTLEBLOWER ARRANGEMENTS; AIMS OF THE REGULATION OF PUBLIC TAKEOVER BIDS; AND DEFENSIVE TACTICS IN CASE OF A HOSTILE PUBLIC TAKEOVER BID. THESE PROBLEMS - AND MANY OTHERS - ARE EXAMINED IN THE LIGHT OF CORPORATE GOVERNANCE CODES AND GUIDELINES AND OF REPORTS AND JUDGMENTS THAT DEAL WITH SPECIFIC INSTANCES WHERE INVESTIGATORS OR COURTS WERE ASKED TO ANALYZE CORPORATE GOVERNANCE ISSUES IN CONCRETE CASES. EACH OF THE TEN CHAPTERS INCLUDES IN-DEPTH ANALYSIS OF SUCH CASES. A SPECIAL FEATURE OF THE BOOK IS A SET OF MODEL CORPORATE GOVERNANCE GUIDELINES BASED ON US CORPORATE PRACTICE. CORPORATE GOVERNANCE AS A LIMITED LEGAL CONCEPT IS REMARKABLE FOR ITS VERY THOROUGH CHARACTERIZATION AND DEFINITION OF CORPORATE GOVERNANCE AS A LEGAL CONCEPT, AS A CODE OF CONDUCT, AND AS AN ORGANIZATIONAL STRUCTURE. THE AUTHOR AND HOW S CLEARLY REASONED ANALYSIS OF THE LEGAL LIMITS OF CORPORATE GOVERNANCE WILL BE OF GREAT INTEREST AND PRACTICAL VALUE TO BUSINESS PEOPLE AND THEIR COUNSEL IN ANY JURISDICTION.

METHODS IN CHEMICAL PROCESS SAFETY - 2017-04-06

METHODS IN CHEMICAL PROCESS SAFETY, VOLUME 1, PUBLISHES FULLY COMMISSIONED REVIEWS ACROSS THE FIELD OF PROCESS SAFETY, RISK ASSESSMENT AND MANAGEMENT AND LOSS PREVENTION. IT AIMS TO SERVE AS AN INFORMATIVE TOOL AND USER MANUAL FOR PROCESS SAFETY FOR BOTH ENGINEERING RESEARCHERS AND PRACTITIONERS. PUBLISHING ONE THEMED VOLUME A YEAR, THE PUBLICATION PROVIDES A RESOURCE DETAILING THE LATEST METHODS IN THE FIELD OF CHEMICAL PROCESS SAFETY. HELPS ACQUAINT THE READER/RESEARCHER WITH THE FUNDAMENTALS OF PROCESS SAFETY PROVIDES THE MOST RECENT ADVANCEMENTS AND CONTRIBUTIONS ON THE TOPIC FROM A PRACTICAL POINT-OF-VIEW PRESENTS USERS WITH THE VIEWS/OPINIONS OF EXPERTS IN EACH TOPIC INCLUDES A SELECTION OF THE AUTHOR(S) OF EACH CHAPTER FROM AMONG THE LEADING RESEARCHERS AND/OR PRACTITIONERS FOR EACH GIVEN TOPIC

SAFETY MANAGEMENT AND HUMAN FACTORS - PEDRO AREZES AND ANNE GARCIA

2023-07-19

PROCEEDINGS OF THE 14TH INTERNATIONAL CONFERENCE ON APPLIED HUMAN FACTORS AND ERGONOMICS (AHFE 2023), JULY 20-24, 2023, SAN FRANCISCO, USA

SAFER COMPLEX INDUSTRIAL ENVIRONMENTS - ERIK HOLLNAGEL 2009-10-20

WHILE A QUICK RESPONSE CAN SAVE YOU IN A TIME OF CRISIS, AVOIDING A CRISIS REMAINS THE BEST DEFENSE. WHEN DEALING WITH COMPLEX INDUSTRIAL SYSTEMS, IT HAS BECOME INCREASINGLY OBVIOUS THAT PREPAREDNESS REQUIRES A SOPHISTICATED UNDERSTANDING OF HUMAN FACTORS AS THEY RELATE TO THE FUNCTIONAL CHARACTERISTICS OF SOCIO-TECHNOLOGY SYSTEMS. EDITED BY INDUSTRIAL SAFETY EXPERT ERIK HOLLNAGEL AND FEATURING COMMENTARY FROM LEADERS IN THE FIELD, SAFER COMPLEX INDUSTRIAL ENVIRONMENTS: A HUMAN FACTORS APPROACH EXAMINES THE LATEST RESEARCH ON THE CONTEMPORARY HUMAN FACTORS APPROACH AND METHODS CURRENTLY IN PRACTICE. DRAWING ON EXAMPLES MAINLY FROM THE NUCLEAR INDUSTRY, THE BOOK PRESENTS A CONTEMPORARY VIEW ON HUMAN FACTORS IN COMPLEX INDUSTRIAL SYSTEMS. THE CONTRIBUTORS CONTRAST THE TRADITIONAL VIEW OF HUMAN FACTORS AS A LIABILITY WITH THE CONTEMPORARY VIEW THAT RECOGNIZES HUMAN FACTOR AS ALSO AN ASSET WITHOUT WHICH THE SAFE AND EFFICIENT PERFORMANCE OF COMPLEX INDUSTRIAL SYSTEMS WOULD BE IMPOSSIBLE. IT DESCRIBES HOW THIS VIEW HAS DEVELOPED IN PARALLEL TO THE INCREASING COMPLEXITY AND INTRACTABILITY OF SOCIO-TECHNICAL SYSTEMS AND PARTLY AS A CONSEQUENCE OF THAT. THE BOOK ALSO DEMONSTRATES HOW THIS DUALITY OF THE HUMAN FACTOR CAN BE RECONCILED BY RECOGNIZING THAT THE HUMAN AND ORGANIZATIONAL FUNCTIONS THAT CAN BE THE CAUSE OF ADVERSE EVENTS ARE ALSO THE VERY FOUNDATION FOR SAFETY. BUILDING ON THIS, THE BOOK INTRODUCES THEORIES AND METHODS THAT CAN BE USED TO DESCRIBE HUMAN AND COLLECTIVE PERFORMANCE IN A COMPLEX SOCIO-TECHNICAL ENVIRONMENT. IT EXPLORES HOW CONTEMPORARY HUMAN FACTORS CAN BE USED TO GO BEYOND FAILURE ANALYSIS TO ACTIVELY MAKE COMPLEX INDUSTRIAL ENVIRONMENTS SAFER.

SAFETY CULTURES, SAFETY MODELS - CLAUDE GILBERT 2018-09-21

THE OBJECTIVE OF THIS BOOK IS TO HELP AT-RISK ORGANIZATIONS TO DECIPHER THE "SAFETY CLOUD", AND TO POSITION THEMSELVES IN TERMS OF OPERATIONAL DECISIONS AND IMPROVEMENT STRATEGIES IN SAFETY, CONSIDERING THE PATH ALREADY TRAVELLED, THEIR CONTEXT, OBJECTIVES AND CONSTRAINTS. WHAT LINK CAN BE ESTABLISHED BETWEEN SAFETY CULTURE AND SAFETY MODELS IN ORDER TO INCREASE SAFETY WITHIN COMPANIES CARRYING OUT DANGEROUS ACTIVITIES? FIRST, WHILE THE TERM "SAFETY CULTURE" IS WIDELY SHARED AMONG THE ACADEMIC AND INDUSTRIAL WORLD, IT LEADS TO VARIOUS INTERPRETATIONS AND THEREFORE DIFFERENT POSITIONING WHEN IT COMES TO ASSESS, IMPROVE OR CHANGE IT. MANY SAFETY THEORIES, CONCEPTS, AND MODELS COEXIST TODAY, BEING MORE OR LESS APPEALING AND/OR DIRECTLY USEFUL TO THE INDUSTRY. HOW, AND BASED ON WHICH CRITERIA, TO CHOOSE FROM THE AVAILABLE OPTIONS? THESE ARE SOME OF THE QUESTIONS ADDRESSED IN THIS BOOK, WHICH BENEFITS FROM THE EXPERTISE OF ITS WORLDWIDE FAMOUS AUTHORS IN SEVERAL INDUSTRIAL SECTORS.

SAFETY, RELIABILITY AND RISK ANALYSIS - SEBASTIAN MARTORELL 2008-09-10

SAFETY, RELIABILITY AND RISK ANALYSIS. THEORY, METHODS AND APPLICATIONS CONTAINS THE PAPERS PRESENTED AT THE JOINT ESREL (EUROPEAN SAFETY AND RELIABILITY) AND SRA-EUROPE (SOCIETY FOR RISK ANALYSIS EUROPE) CONFERENCE (VALENCIA, SPAIN, 22-25 SEPTEMBER 2008). THE BOOK COVERS A WIDE RANGE OF TOPICS, INCLUDING: ACCIDENT AND INCIDENT INVESTIGATION; CRISIS

PREVENTING CORPORATE ACCIDENTS - R B WHITTINGHAM 2012-06-25

THE PASSING OF THE CORPORATE MANSLAUGHTER AND CORPORATE HOMICIDE BILL IN THE UK AND INCREASING PUBLIC AND INVESTOR PRESSURE FOR GOOD CORPORATE GOVERNANCE AND CORPORATE SOCIAL RESPONSIBILITY, MEANS ORGANIZATIONS NOW, MORE THAN EVER, NEED TO ENSURE THEY DO ALL THEY CAN TO PREVENT MAJOR ACCIDENTS. HOWEVER, PAST EXPERIENCE SHOWS THAT JUST IMPLEMENTING SAFETY MANAGEMENT SYSTEMS IS NOT ENOUGH

AND THIS BOOK MAKES THE CASE FOR A MORE HOLISTIC AND ETHICAL APPROACH TO IMPROVING CORPORATE SYSTEMS AS A WHOLE. PREVENTING CORPORATE ACCIDENTS SHOWS HOW MAJOR ACCIDENTS CAN RESULT FROM HUMAN ERROR AND DEFECTS IN CORPORATE SYSTEMS. THE BOOK DESCRIBES ACCIDENT PREVENTION STRATEGIES, FROM SAFETY CULTURE, SAFETY MANAGEMENT SYSTEMS, FORESIGHT AND PLANNING TO SAFETY REGULATIONS, CORPORATE ETHICS, CORPORATE SOCIAL RESPONSIBILITY AND THE LEARNING ORGANIZATION. BARRY WHITTINGHAM ILLUSTRATES WITH INTERNATIONAL CASE STUDIES FROM VARIOUS INDUSTRIES HOW AND WHY THESE DEFENCES HAVE FAILED IN THE PAST, AND MORE IMPORTANTLY, HOW TO STRENGTHEN CORPORATE SYSTEMS TO PREVENT FUTURE MAJOR ACCIDENTS. THE CASE STUDIES INCLUDE: THE LOSS OF THE SPACE SHUTTLE COLUMBIA INFANT HEART SURGERY AT BRISTOL ROYAL INFIRMARY THE DAVIS-BESSE NUCLEAR POWER PLANT INCIDENT THE FIRE AND EXPLOSION AT THE CONOCO-PHILLIPS HUMBER OIL REFINERY HERALD OF FREE ENTERPRISE AND SOUTHALL RAIL ACCIDENT MANSLAUGHTER PROSECUTIONS THIS BOOK IS ESSENTIAL READING FOR ALL THOSE WITH A PROFESSIONAL INTEREST IN HEALTH AND SAFETY MANAGEMENT, THE CONTROL OF MAJOR RISK AND ACCIDENT PREVENTION, IN PARTICULAR FOR DIRECTORS, SENIOR MANAGERS AND HEALTH & SAFETY PROFESSIONALS IN HIGH-HAZARD INDUSTRIES AND PUBLIC OPERATIONS, SUCH AS NUCLEAR, CHEMICALS, CONSTRUCTION, OIL AND GAS, ENERGY, MANUFACTURING AND TRANSPORTATION. BARRY WHITTINGHAM HAS WORKED AS A SENIOR MANAGER, DESIGN ENGINEER AND CONSULTANT FOR THE CHEMICAL, NUCLEAR, OFFSHORE, OIL AND GAS, RAILWAY AND AVIATION SECTORS. HE DEVELOPED A CAREER AS A SAFETY CONSULTANT SPECIALIZING IN THE HUMAN FACTORS ASPECTS OF ACCIDENT CAUSATION. BARRY IS A FELLOW OF THE SAFETY AND RELIABILITY SOCIETY.

LABORATORY BIORISK MANAGEMENT - REYNOLDS M. SALERNO 2015-12-01

OVER THE PAST TWO DECADES BIOSCIENCE FACILITIES WORLDWIDE HAVE EXPERIENCED MULTIPLE SAFETY AND SECURITY INCIDENTS, INCLUDING MANY NOTABLE INCIDENTS AT SO-CALLED "SOPHISTICATED FACILITIES" IN NORTH AMERICA AND WESTERN EUROPE. THIS DEMONSTRATES THAT A SYSTEM BASED SOLELY ON BIOSAFETY LEVELS AND SECURITY REGULATIONS MAY NOT BE SUFFICIENT. SETTING THE STAGE FOR A SUBSTANTIVELY DIFFERENT APPROACH FOR MANAGING THE RISKS OF WORKING WITH BIOLOGICAL AGENTS IN LABORATORIES, *LABORATORY BIORISK MANAGEMENT: BIOSAFETY AND BIOSECURITY* INTRODUCES THE CONCEPT OF BIORISK MANAGEMENT—A NEW PARADIGM THAT ENCOMPASSES BOTH LABORATORY BIOSAFETY AND BIOSECURITY. THE BOOK ALSO PROVIDES LABORATORY MANAGERS AND DIRECTORS WITH THE INFORMATION AND TECHNICAL TOOLS NEEDED FOR ITS IMPLEMENTATION. THE BASIS FOR THIS NEW PARADIGM IS A THREE-PRONGED, MULTI-DISCIPLINARY MODEL OF ASSESSMENT, MITIGATION, AND PERFORMANCE (THE AMP MODEL). THE APPLICATION OF THE METHODOLOGIES, CRITERIA, AND GUIDANCE OUTLINED IN THE BOOK HELPS TO REDUCE THE RISK OF LABORATORIES BECOMING THE SOURCES OF INFECTIOUS DISEASE OUTBREAKS. THIS IS A VALUABLE RESOURCE FOR THOSE SEEKING TO EMBRACE AND IMPLEMENT BIORISK MANAGEMENT SYSTEMS IN THEIR FACILITIES AND OPERATIONS, INCLUDING THE BIOLOGICAL RESEARCH, CLINICAL DIAGNOSTIC, AND PRODUCTION/MANUFACTURING COMMUNITIES.

THE WILEY BLACKWELL HANDBOOK OF THE PSYCHOLOGY OF OCCUPATIONAL SAFETY AND WORKPLACE HEALTH - SHARON CLARKE 2015-09-23

A WILEY BLACKWELL HANDBOOK OF ORGANIZATIONAL PSYCHOLOGY FOCUSING ON OCCUPATIONAL SAFETY AND WORKPLACE HEALTH. THE EDITORS DRAW ON THEIR COLLECTIVE EXPERIENCE TO PRESENT THEMATICALLY STRUCTURED MATERIAL FROM LEADING THINKERS AND PRACTITIONERS IN THE USA, EUROPE, AND ASIA PACIFIC PROVIDES COMPREHENSIVE COVERAGE OF THE MAJOR CONTRIBUTIONS THAT PSYCHOLOGY CAN MAKE TOWARD THE IMPROVEMENT OF WORKPLACE SAFETY AND EMPLOYEE HEALTH EQUIPS THOSE WHO NEED IT MOST WITH CUTTING-EDGE RESEARCH ON KEY TOPICS INCLUDING WELLBEING, SAFETY CULTURE, SAFETY LEADERSHIP, STRESS, BULLYING, WORKPLACE HEALTH PROMOTION AND PROACTIVITY

PETROLEUM REFINING AND PETROCHEMICAL BASED INDUSTRIES IN EASTERN INDIA. - 2000

PERFORMANCE MANAGEMENT FOR THE OIL, GAS, AND PROCESS INDUSTRIES - ROBERT BRUCE HEY 2017-04-06

PERFORMANCE MANAGEMENT FOR THE OIL, GAS, AND PROCESS INDUSTRIES: A SYSTEMS APPROACH IS A PRACTICAL GUIDE ON THE BUSINESS CYCLE AND TECHNIQUES TO UNDERTAKE STEP, EPISODIC, AND BREAKTHROUGH IMPROVEMENT IN PERFORMANCE TO OPTIMIZE OPERATING COSTS. LIKE MANY INDUSTRIES, THE OIL, GAS, AND PROCESS INDUSTRIES ARE COMING UNDER INCREASING PRESSURE TO CUT COSTS DUE TO ONGOING CONSTRUCTION OF LARGER, MORE INTEGRATED UNITS, AS WELL AS THE APPLICATION OF INCREASINGLY STRINGENT ENVIRONMENTAL POLICIES. FOCUSING ON THE 'VALUE ADDER' OR 'REVENUE GENERATOR' CORE SYSTEM AND THE COMPANY DIRECTION STATEMENT, THIS BOOK DESCRIBES A SYSTEMS APPROACH WHICH ASSURES SIGNIFICANT SUSTAINABLE IMPROVEMENTS IN THE BUSINESS AND OPERATIONAL PERFORMANCE SPECIFIC TO THE OIL, GAS, AND PROCESS INDUSTRIES. THE BOOK WILL ENABLE THE READER TO: UTILIZE BEST PRACTICE PRINCIPLES OF GOOD GOVERNANCE FOR LONG TERM PERFORMANCE ENHANCEMENT; IDENTIFY THE MOST SIGNIFICANT PERFORMANCE INDICATORS FOR OVERALL BUSINESS IMPROVEMENT; APPLY STRATEGIES TO ENSURE THAT TARGETS ARE MET IN AGREED UPON TIME FRAMES. DESCRIBES A SYSTEMS APPROACH WHICH ASSURES SIGNIFICANT SUSTAINABLE IMPROVEMENTS IN THE BUSINESS AND OPERATIONAL PERFORMANCE SPECIFIC TO THE OIL, GAS, AND PROCESS INDUSTRIES HELPS READERS SET APPROPRIATE AND REALISTIC SHORT-TERM/ LONG-TERM TARGETS WITH A PRE-BUILT FACILITY HEALTH CHECKER ELUCIDATES THE RELATIONSHIP BETWEEN PSM, OHS, AND ASSET INTEGRITY WITH AN INCREASED EMPHASIS ON BEHAVIOR-BASED SAFETY DISCUSSES SPECIFIC OIL AND GAS INDUSTRY ISSUES AND EXAMPLES SUCH AS REFINERY AND GAS PLANT PERFORMANCE INITIATIVES AND HYDROCARBON ACCOUNTING

STRENGTHENING THE SAFETY CULTURE OF THE OFFSHORE OIL AND GAS INDUSTRY - NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE (U.S.). COMMITTEE ON U.S. OFFSHORE OIL AND GAS INDUSTRY SAFETY CULTURE 2016

"TRB SPECIAL REPORT 321: STRENGTHENING THE SAFETY CULTURE OF THE OFFSHORE OIL AND GAS INDUSTRY OFFERS RECOMMENDATIONS TO INDUSTRY AND REGULATORS TO STRENGTHEN AND SUSTAIN THE SAFETY CULTURE OF THE OFFSHORE OIL AND GAS INDUSTRY. THE COMMITTEE THAT PREPARED THE REPORT ADDRESSES CONCEPTUAL CHALLENGES IN DEFINING SAFETY CULTURE AND DISCUSSES THE EMPIRICAL SUPPORT FOR THE DEFINITION OF SAFETY CULTURE OFFERED BY THE BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT,

THE NINE CHARACTERISTICS OR ELEMENTS OF A ROBUST SAFETY CULTURE, METHODS FOR ASSESSING COMPANY SAFETY CULTURE, AND BARRIERS TO IMPROVING SAFETY CULTURE IN THE OFFSHORE INDUSTRY. THE COMMITTEE'S REPORT ALSO IDENTIFIES TOPICS ON WHICH FURTHER RESEARCH IS NEEDED WITH RESPECT TO ASSESSING, IMPROVING, AND SUSTAINING SAFETY CULTURE"--PROVIDED BY PUBLISHER.

IMPACT OF SOCIETAL NORMS ON SAFETY, HEALTH, AND THE ENVIRONMENT - LEE T. OSTROM 2022-09-05

A COMPELLING EXPLORATION OF HOW SOCIAL NORMS AND COMMERCIAL CULTURE IMPACT THE SAFETY OF ORGANIZATIONAL OPERATIONS IN *IMPACT OF SOCIETAL NORMS ON SAFETY, HEALTH, AND THE ENVIRONMENT: CASE STUDIES IN SOCIETY AND SAFETY CULTURE*, DISTINGUISHED ENGINEER DR. LEE T. OSTROM DELIVERS AN AUTHORITATIVE TREATMENT OF THE CULTURAL, SOCIAL, AND HUMAN FACTORS OF SAFETY CULTURES AND ISSUES IN THE WORKPLACE. THE BOOK OFFERS READERS COMPELLING DISCUSSIONS OF HOW THOSE FACTORS IMPACT ORGANIZATIONAL OPERATIONS AND WHAT CONTRIBUTES TO MAKING THOSE IMPACTS BENEFICIAL OR DETRIMENTAL. THE AUTHOR PROVIDES NUMEROUS REAL-WORLD CASE STUDIES FROM NORTH AMERICA AND EUROPE THAT ARE RELEVANT TO A GLOBAL AUDIENCE, HIGHLIGHTING THE CENTRAL MESSAGE OF THE BOOK: THAT AN ORGANIZATION THAT VIEWS ITS SAFETY CULTURE AS UNIMPORTANT COULD BE SETTING ITSELF UP FOR A SIGNIFICANT WORKPLACE ACCIDENT. READERS WILL ALSO FIND: A THOROUGH INTRODUCTION TO SOCIAL NORMS THAT IMPACT HOW COMMERCIAL ORGANIZATIONS TREAT ISSUES OF SAFETY AND WORKPLACE HEALTH IN-DEPTH SAFETY CULTURE CASE STUDIES FROM NORTH AMERICA AND EUROPE COMPREHENSIVE EXPLORATIONS OF HOW PEOPLES' PERCEPTIONS OF HAZARDS IMPACT WORKPLACE OPERATIONS AND THE DAILY LIVES OF EMPLOYEES FULSOME DISCUSSIONS OF THE EFFECT OF SOCIETAL ATTITUDES ON WORKPLACE HEALTH AND SAFETY PERFECT FOR INDUSTRIAL AND SAFETY MANAGERS, SAFETY COORDINATORS, AND SAFETY REPRESENTATIVES, *IMPACT OF SOCIETAL NORMS ON SAFETY, HEALTH, AND THE ENVIRONMENT* WILL ALSO EARN A PLACE IN THE LIBRARIES OF INDUSTRIAL HYGIENISTS, ERGONOMIC PROGRAM COORDINATORS, AND HR PROFESSIONALS.

SAFETY CULTURE AND HIGH-RISK ENVIRONMENTS - CINDY L. CALDWELL 2017-09-18

THIS BOOK PROVIDES LEADERS IN HIGH RISK INDUSTRIES A BETTER UNDERSTANDING OF HOW THEIR VALUES AND BEHAVIORS CAN INFLUENCE THE ORGANIZATION'S SAFETY CULTURE AND IMPROVE ITS CAPACITY TO BOUNCE BACK FROM FAILURE. EXAMPLES ARE ILLUSTRATED THROUGH CASE STUDIES AND PRACTICAL TOOLS ARE PROVIDED TO EVALUATE AND IMPROVE AN ORGANIZATION'S CULTURE BY IMPROVING LEADERSHIP CAPABILITY. THIS UNIQUE BOOK INTEGRATES THE AREAS OF SAFETY CULTURE AND HIGH RELIABILITY FROM THE PERSPECTIVE OF LEADERSHIP IN A WORK TEAM ENVIRONMENT. READERS OF THE BOOK WILL GET A FRESH PERSPECTIVE ON SAFETY CULTURE AND RELIABILITY THAT CAN BE TRANSLATED INTO PRACTICAL STEPS FOR IMPROVING THEIR ORGANIZATION THROUGH ITS LEADERSHIP.

SAFETY-II IN PRACTICE - ERIK HOLLNAGEL 2017-07-14

SAFETY-I IS DEFINED AS THE FREEDOM FROM UNACCEPTABLE HARM. THE PURPOSE OF TRADITIONAL SAFETY MANAGEMENT IS THEREFORE TO FIND WAYS TO ENSURE THIS 'FREEDOM'. BUT AS SOCIO-TECHNICAL SYSTEMS STEADILY HAVE BECOME LARGER AND LESS TRACTABLE, THIS HAS BECOME HARDER TO DO. RESILIENCE ENGINEERING POINTED OUT FROM THE VERY BEGINNING THAT RESILIENT PERFORMANCE - AN ORGANISATION'S ABILITY TO FUNCTION AS REQUIRED UNDER EXPECTED AND UNEXPECTED CONDITIONS ALIKE - REQUIRED MORE THAN THE PREVENTION OF INCIDENTS AND ACCIDENTS. THIS DEVELOPED INTO A NEW INTERPRETATION OF SAFETY (SAFETY-II) AND CONSEQUENTLY A NEW FORM OF SAFETY MANAGEMENT. SAFETY-II CHANGES SAFETY MANAGEMENT FROM PROTECTIVE SAFETY AND A FOCUS ON HOW THINGS CAN GO WRONG, TO PRODUCTIVE SAFETY AND A FOCUS ON HOW THINGS CAN AND DO GO WELL. FOR SAFETY-II, THE AIM IS NOT JUST THE ELIMINATION OF HAZARDS AND THE PREVENTION OF FAILURES AND MALFUNCTIONS BUT ALSO HOW BEST TO DEVELOP AN ORGANISATION'S POTENTIALS FOR RESILIENT PERFORMANCE - THE WAY IT RESPONDS, MONITORS, LEARNS, AND ANTICIPATES. THAT REQUIRES MODELS AND METHODS THAT GO BEYOND THE SAFETY-I TOOLBOX. THIS BOOK INTRODUCES A COMPREHENSIVE APPROACH FOR THE MANAGEMENT OF SAFETY-II, CALLED THE RESILIENCE ASSESSMENT GRID (RAG). IT EXPLAINS THE PRINCIPLES OF THE RAG AND HOW IT CAN BE USED TO DEVELOP THE RESILIENCE POTENTIALS. THE RAG PROVIDES FOUR SETS OF DIAGNOSTIC AND FORMATIVE QUESTIONS THAT CAN BE TAILORED TO ANY ORGANISATION. THE QUESTIONS ARE BASED ON THE PRINCIPLES OF RESILIENCE ENGINEERING AND BACKED BY PRACTICAL EXPERIENCE FROM SEVERAL DOMAINS. SAFETY-II IN PRACTICE IS FOR BOTH THE SAFETY PROFESSIONAL AND ACADEMIC READER. FOR THE PROFESSIONAL, IT PRESENTS A WORKABLE METHOD (RAG) FOR THE MANAGEMENT OF SAFETY-II, WITH A PROVEN TRACK RECORD. FOR ACADEMIC AND STUDENT READERS, THE BOOK IS A CONCISE AND PRACTICAL PRESENTATION OF RESILIENCE ENGINEERING.

HUMAN FACTORS IN THE DESIGN AND EVALUATION OF CENTRAL CONTROL ROOM OPERATIONS - NEVILLE A. STANTON 2009-11-18

WHETHER USED FOR AVIATION, MANUFACTURING, OIL AND GAS EXTRACTION, ENERGY DISTRIBUTION, NUCLEAR OR FOSSIL FUEL POWER GENERATION, SURVEILLANCE OR SECURITY, ALL CONTROL ROOMS SHARE TWO COMMON FEATURES. THE PEOPLE OPERATING THEM ARE OFTEN REMOTE FROM THE PROCESSES THAT THEY ARE MONITORING AND CONTROLLING AND THE OPERATIONS WORK 24/7. THE TWIN DEMANDS OF REMOTE AND CONTINUOUS OPERATION PLACE SPECIAL CONSIDERATIONS ON THE DESIGN OF CENTRAL CONTROL ROOMS. *HUMAN FACTORS IN THE DESIGN AND EVALUATION OF CENTRAL CONTROL ROOM OPERATIONS* PROVIDES AN ANALYSIS OF HUMAN FACTORS AND ERGONOMICS IN THIS COMPLEX AREA AND THE IMPLICATIONS FOR CONTROL ROOM STAFF. THIS INFORMATION CONTAINED WITHIN THIS BOOK CAN THEN BE USED TO DESIGN, ASSESSED AND EVALUATE CONTROL ROOMS. TAKING AN INTEGRATED APPROACH TO HUMAN FACTORS AND ERGONOMICS IN THE CONTROL ROOM ENVIRONMENT, THE BOOK PRESENTS FOURTEEN HUMAN FACTORS TOPICS: COMPETENCIES, TRAINING, PROCEDURES, COMMUNICATIONS, WORKLOAD, AUTOMATION, SUPERVISION, SHIFT PATTERNS, CONTROL ROOM LAYOUT, SCADA INTERFACES, ALARMS, CONTROL ROOM ENVIRONMENT, HUMAN ERROR, AND SAFETY CULTURE. ALTHOUGH THERE ARE MANY RESOURCES AVAILABLE ON EACH OF THESE TOPICS, THIS BOOK THE INFORMATION TOGETHER UNDER ONE COVER WITH A FOCUS ON CENTRAL CONTROL ROOM OPERATIONS. EACH CHAPTER IS SELF-CONTAINED AND CAN BE READ IN ANY ORDER, AS THE INFORMATION IS REQUIRED.

LEES' LOSS PREVENTION IN THE PROCESS INDUSTRIES - FRANK LEES 2012-11-05

SAFETY IN THE PROCESS INDUSTRIES IS CRITICAL FOR THOSE WHO WORK WITH CHEMICALS AND HAZARDOUS SUBSTANCES OR PROCESSES. THE FIELD OF LOSS PREVENTION IS, AND CONTINUES TO BE, OF SUPREME IMPORTANCE TO COUNTLESS COMPANIES, MUNICIPALITIES AND

GOVERNMENTS AROUND THE WORLD, AND LEES' IS A DETAILED REFERENCE TO DEFENDING AGAINST HAZARDS. RECOGNIZED AS THE STANDARD WORK FOR CHEMICAL AND PROCESS ENGINEERING SAFETY PROFESSIONALS, IT PROVIDES THE MOST COMPLETE COLLECTION OF INFORMATION ON THE THEORY, PRACTICE, DESIGN ELEMENTS, EQUIPMENT, REGULATIONS AND LAWS COVERING THE FIELD OF PROCESS SAFETY. AN ENTIRE LIBRARY OF ALTERNATIVE BOOKS (AND CROSS-REFERENCING SYSTEMS) WOULD BE NEEDED TO REPLACE OR IMPROVE UPON IT,

BUT EVERYTHING OF IMPORTANCE TO SAFETY PROFESSIONALS, ENGINEERS AND MANAGERS CAN BE FOUND IN THIS ALL-ENCOMPASSING THREE VOLUME REFERENCE INSTEAD. THE PROCESS SAFETY ENCYCLOPEDIA, TRUSTED WORLDWIDE FOR OVER 30 YEARS NOW AVAILABLE IN PRINT AND ONLINE, TO AID SEARCHABILITY AND PORTABILITY OVER 3,600 PRINT PAGES COVER THE FULL SCOPE OF PROCESS SAFETY AND LOSS PREVENTION, COMPILING THEORY, PRACTICE, STANDARDS, LEGISLATION, CASE STUDIES AND LESSONS LEARNED IN ONE RESOURCE AS OPPOSED TO MULTIPLE SOURCES