What Are the Implications of This Knowledge?
Production of Stress and Management Choices

We now know enough about stress at work to realize that it is a quantifiable and measurable risk. The risk to health and safety presented by excessive stress can be managed to a large extent. This means that stress-related risk can be prevented, abated or shut down to a trickle at source when managers choose to make different kinds of decisions about how they govern the workplace.

Although the nature of the job to be done often predetermines or severely constrains managerial decisions about the way in which the work can be organized, there are always some choices remaining. Overhead 19 shows that even when 75 percent of your options for organizing the work are foregone because of the technological constraints of the job, the remaining choices make all the difference with regard to health and safety outcomes.

The most crucial choices are those to do with how the demand/control and effort/reward aspects of work are organized.
The “Diligent Alternative” for Managing Stress Risk

With the knowledge that excessive stress can and does lead to harms of various kinds comes an ethical dilemma: to act or not to act. It is arguable that with knowledge comes responsibility and that the diligent choice is active, upstream, “at source” stress risk management. We might describe the alternative course of inaction as “stress risk myopia” or as a “head in the sand” attitude. Here the issue is avoided or denied.

The diligent alternative means:

- taking the trouble to learn about the stress risks of your particular workplace
- doing what is reasonably within your power to manage and prevent these risks

There is clearly a strong business case for pursuing the diligent alternative because, as we have seen, the health and safety related costs of ignoring stress risks are high, reflecting themselves in:

- higher benefit payouts
- higher absenteeism
- lower efficiency
- lower productivity
- less creativity
- less competitiveness
- less client/consumer satisfaction
- higher injury rates
- higher property damage rates

Risk Reduction (Stress Abatement)
Risk Enhancement (Stress Aggravation)
Health Promotion + Protection
Health Disorders + Deception
Inefficiency
Loss of Competitive Advantage
Higher Costs

Health Disorders + Deception
Health Promotion + Protection
Risk Reduction (Stress Abatement)
Risk Enhancement (Stress Aggravation)
Lower Costs
Competitive Advantage
Productivity

Stress Risk Management (The Diligent Alternative)
Stress Risk Myopia (Issue Avoidance)

Choice of Actions

Foreseeability of Harm
Knowledge of Stress Risk
(Short-Term Harm)
(Short-Term Harm)

Inefficiency
Loss of Competitive Advantage
Higher Costs

Health Promotion + Protection
Health Disorders + Deception
Inefficiency
Loss of Competitive Advantage
Lower Costs
Competitive Advantage
Productivity

What Are the Implications? — Best Advice on Stress Risk Management in the Workplace
Is There a Legal Duty to Abate Excessive Stress at Source Under Occupational Health and Safety Rules Concerning Due Diligence?

Employers must take every precaution reasonable under the circumstances to protect their workers’ health and safety. This duty of due diligence has a clear basis in both statute and common law. See, for example, Ontario’s Occupational Health and Safety Act, R.S.O. 1990, c. O.1, sections 25(2)(h) and 66(3), and the leading Supreme Court of Canada cases of Marshment v. Borgstrom, [1942] S.C.R. 374, and Ainslie Mining and Railway Company v. McDougall (1909), 42 S.C.R. 420.

Historically, this general duty has been applied to the physical aspects of workers’ health and safety, but, as the judge said in the English case of Walker v. Northumberland County Council, [1995] 1 All E.R. 737 at 749: “there is no logical reason why risk of psychiatric damage should be excluded from the scope of an employer’s duty of care … .”

Saskatchewan has consciously adopted a broader view of health and safety in its governing statute, the Occupational Health and Safety Act, S.S. 1993, c. 0-1.1, section 2(1)(p), where “occupational health and safety” is defined as:

“(i) the promotion and maintenance of the highest degree of physical, mental and social well-being of workers;

“(ii) the prevention among workers of ill health caused by their working conditions;

“(iii) the protection of workers in their employment from factors adverse to their health;

“(iv) the placing and maintenance of workers in working environments that are adapted to their individual physiological and psychological conditions; and

“(v) the promotion and maintenance of a working environment that is free of harassment … .”

The duty to provide a safe system of work has existed for over 90 years in Canadian law and this duty is now incorporated for most purposes under the general due diligence provisions of the various provincial statutes, as noted above.

Most conspicuously, due diligence and safe system of work arguments have been successfully applied in situations where excessive hours of work and/or short staffing have created stress for employees that has led to illness. See, for example, St. Thomas Psychiatric Hospital and Ministry of Labour (unreported, April 26, 1993, Ont. Of. Adj. Docket no. AP01/93-A). In other words, “high demand” conditions have already been acknowledged as potential and actual occupational health and safety hazards in Canada.

There appears to be nothing in the way of making a legal case for the recognition of “low control” as a similar hazard, even though such cases “will often give rise to extremely difficult evidentiary problems of foreseeability and causation” (Walker v. Northumberland County Council, cited above).

Best Advice on Stress Risk Management in the Workplace — What Are the Implications?
The Walker case is important because it illustrates vividly that sufficient evidence can be brought forward in stress claims to meet the legal standards for foreseeability and causation of harm. In that case it was held that “where it was reasonably foreseeable to an employer that an employee might suffer a nervous breakdown because of the stress and pressures of his workload, the employer was under a duty of care, as part of the duty to provide a safe system of work, not to cause the employee psychiatric damage by reason of the volume or character of the work which the employee was required to perform” (Walker at p. 737).

In Walker, the court noted that, in spite of his “very considerable reserves of character and resilience” what broke the plaintiff was, among other things, “the mounting but quite uncontrollable workload” and “a feeling of frustrated helplessness because he found himself in a deteriorating situation which he was powerless to control” (Walker at p. 754). Note the unmistakable references to “low control” conditions as stressors.

The Walker case stands ready to be imported into Canadian law as a natural development of the rules that already implicate excessive job demands as occupational hazards when the risk to health and/or safety is reasonably foreseeable.

The standard of care in such cases is likely to be the same as in physical risks. That is, only those risks that are reasonably foreseeable by “normal” employers invite the duty of care.1 The risks must not be simply those that are intrinsic to the job and the employee who falls victim to them must not be exceptionally vulnerable by virtue of some personality or character trait. Even here, however, an employer who knows or ought reasonably to know that an employee is particularly vulnerable in a psychological sense should not expose him or her to risks from the eventuation of which they may be predictably harmed.

In short, there is a solid legal basis to support claims that certain types of stress at certain levels are hazards under health and safety rules and that employers have a duty to abate such hazards at source under the general requirements of due diligence. Due diligence is more than just a defence against claimants who believe the employer has not done enough to protect them: it is also a proactive duty to provide a system of work that is not only safe physically but also mentally.

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1. “Normal” in this context refers to behaviour that would be commonly accepted within a specific occupation, business or trade.
The Stewardship Case for Managing Stress Risk

There is also a stewardship case for pursuing the diligent alternative because the harms created by excessive stress are not contained in the workplace: many harms escape into the community through excessive health care, law enforcement and welfare costs borne by families and taxpayers at large.

Some workplaces produce little harm and transfer even less of it to the community, but others produce a great deal of harm (as we saw) and transfer much of it to the community. For example, within a single economic sector such as mining, we can see workplaces that generate little harm and great harm. The most harm-producing companies produce four times the harm produced by the least harm-producing companies. That’s four times the cost to society in health care costs, social service costs and even policing costs.

(See Reference 36.)

The idea of stewardship, in the sense just described, is at the heart of the emerging “social” or “civic” model of workplace wellness.
What Can We Do to Abate Stress (Manage Stress Risk) in the Workplace?
**What Managers Can Do**

Managers can choose the diligent alternative and adopt the “Best Practice Model” of stress abatement. If the major organizational drivers of workplace stress and its consequent health and safety problems are high demand/low control coupled with high effort/low reward conditions, the diligent alternative requires that we tackle these hazards if we seriously want to make a change.

Many studies concerning the effectiveness of health and safety promotion initiatives point to a common success factor that addresses the low control, low reward part of the problem which appears to be the most threatening part. In a word, this factor is participation. It means getting more employees more involved in the organization and design of their own work. The chart shows areas in which payoffs for improved mental health can be anticipated. Because of its close connection with mental health, gains in physical health can also be expected, as can reductions in injury and property damage rates. All these gains are associated with lower costs, higher productivity and greater competitiveness.

The road to fuller participation is not without its bumps and byways. Many who have gone through the process successfully describe it as “messy.” However, the gains are potentially enormous.
What Partners Can Do

With the full endorsement, commitment and support of management and unions workplace committees whose members deal with stress-related issues in the course of their work can form partnerships, for example, Occupational Health and Safety Committees and Employee/Family Assistance Program Committees. These are usually committees that contain a fairly wide representation of the work force at various levels. Together they bring to the table a wealth of knowledge concerning the sources and effects of stress at work. In active collaboration with senior management, the partners can further develop a local knowledge base about the sources and effects of stress through the various means shown on Overhead 23.

This information feeds into the Best Practice Model for Stress Abatement at the “Knowledge” end. It provides the basis for developing a diligent alternative strategy for stress abatement.

N.B.: Committee members frequently point to a need for ongoing education and training with regard to workplace stress — its origins and management.

Once equipped with the necessary knowledge, committee members can recommend or facilitate further educational and training events or processes for the work force at large, with an emphasis on reaching supervisors and managers at all levels.
Conclusion

The Best Advice on Stress Risk Management in the Workplace paves the way to health and safety promotion in the workplace. Stress risk management or stress abatement — dealing with organizational stress at its source — is a prerequisite to meaningful health and safety promotion.

Other initiatives, such as the introduction of health promotion programs, can support the effectiveness of stress risk management. But stress risk management is important in its own right because it serves the basic health and safety principle of “do no harm.”


Basic Mental Health Needs in the Workplace

- respect and appreciation
- feeling heard or listened to
- freedom to speak up
- sense of confidence and self worth
- freedom from chronic feelings of hostility and anger
- a sense of belonging to a meaningful and supportive work group
- freedom from chronic symptoms of distress, anxiety and depression
- periods of relative calm and peace of mind
Work Factors Threatening Mental Health and Physical Safety

(Examples of “Stressors” or “Psychosocial Hazards”)

- work overload and time pressure
- lack of influence over day-to-day work
- lack of training and/or preparation (technical and social)
- too little or too much responsibility
- ambiguity in job responsibility (too many masters)

- lack of status rewards (appreciation)
- discrimination
- harassment
- poor communication
- neglect of legal and safety obligations
Stress is the Sea: Efficacy and Social Support are the Sea Wall

Type and Level of Stress

Personal Coping Resources

Personal Outcomes

Red Zone Stress

Green Zone Stress

Self-Efficacy + Social Support

Strain

Composure

Best Advice on Stress Risk Management in the Workplace
Normal and Excessive Stress

Normal levels of stress are "turned back" or otherwise dealt with when people have adequate coping skills. Result: composure

Even normally adequate coping skills are not enough in the face of sustained excessive stress which can overwhelm or destroy them. Result: strain, distress

"Normal" Stress → Coping Skills → Composure

"Excessive" Stress → Coping Skills → Strain, Distress
Demand/Control Model
(adapted from Karasek and Theorell)

High Job Pressure

Low Job Control

Home Stress

Social Support

Excessive Strain

Increased Risk to Mental and Physical Health

Infectious and Cardiovascular Diseases

Anxiety, Depression, Hostility

Alcohol, Tobacco, Drug Abuse

Injuries
Effort/ Reward Imbalance Model
(Siegrist)

Increased Strain

Increased Risk of

Cardiovascular Problems

Variety of Mental Health Problems

High Effort + Low Reward

Overhead #
Best Advice on Stress Risk Management in the Workplace
General Model of Influences on Wellness in the Workplace

(Shehadeh and Shain)

- Home Stress
- Job Stress
- Sense of Control (Personal Efficacy)
- Personal Health Practices
- Wellness
Greater Vulnerability to Illness

Immune System Threat

Strain

(once defences or resources are overwhelmed by stress)
Demand/Control, Effort/Reward, Fairness, Purpose and Trust
Conflict

Substance Abuse

The Production of Conflict, No. 1

Job Stress from High Effort/Low Reward

Home Stress

Anger (Sense of Unfairness)

Conflict

Substance Abuse

Best Advice on Stress Risk Management in the Workplace
The Production of Conflict, No. 2

Job Stress from High Demand/Low Control

Inability to Control/Avoid Hazards

Injuries

Anger (Sense of Unfairness)

Home Stress

Substance Abuse

Conflict

Best Advice on Stress Risk Management in the Workplace
Expressions of Conflict

Outer-directed
- threatening behaviour
- emotional and/or verbal abuse
- bullying
- harassment
- assault
- domestic violence
- road rage

Inner-directed
- suicidal behaviour
- recklessness
- agitated depression
- abuse of alcohol, drugs (can lead to externalization of conflict also)
The Costs of an Unhealthy Workplace

How to read the chart: For example, employees under sustained conditions of high effort/low reward and high pressure/low control are two to three times (2 x to 3 x) more likely to contract infections than other employees.
Mental health is at the heart of the matter: once it has been adversely affected, mental health influences the likelihood that future physical health and safety problems will emerge. Trace the routes of the different harms and costs by going through "Mental Health Problems" in the middle circle to get an idea of how one outcome is affected by the previous one and directly influences the next.
Organization and Design of Work

Positive Influence

Promotion of Mental Health

Protection of Health and Safety

Confidence, Satisfaction, Enthusiasm, Calmness, Social Integration

Prevention of Injury and Disease

- lower operating costs
- higher productivity
- greater quality of service
- greater profit

Best Advice on Stress Risk Management in the Workplace
- Depression, Anxiety, Demoralization, Alienation, Social Isolation

**Negative Influence**

- Threats to Mental Health
- Threats to Health and Safety

**Depression, Anxiety, Demoralization, Alienation, Social Isolation**

- higher operating costs
- lower productivity
- less quality of service
- less profit

**Injury and Disease**
## Consequences of Excessive Stress

<table>
<thead>
<tr>
<th>Mental Consequences</th>
<th>Physical Consequences</th>
</tr>
</thead>
<tbody>
<tr>
<td>rushed, stressed and helpless</td>
<td>eat poorly</td>
</tr>
<tr>
<td>abused</td>
<td>drink excessively</td>
</tr>
<tr>
<td>nervous</td>
<td>use too many medications</td>
</tr>
<tr>
<td>depressed</td>
<td>no time for exercise</td>
</tr>
<tr>
<td>angry and upset</td>
<td>sleep poorly</td>
</tr>
<tr>
<td>careless and reckless</td>
<td>prone to infections</td>
</tr>
<tr>
<td>lack of concentration</td>
<td>more likely to get injured</td>
</tr>
<tr>
<td>easily distracted</td>
<td>higher cardiovascular risk</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Social Consequences
- ability to form and maintain relationships is threatened
- more socially isolated
- more quarrelsome and argumentative

## Economic Consequences
- waste time
- likely to damage things
- high absenteeism
- less creative
- less productive
- less efficient
- less courteous with customers
- high medical and drug claim costs
The Health and Safety Difference
Management Picks Up Where Technology Leaves Off

Good Health and Safety Outcomes

The Health and Safety Difference
25%

Zone of Management Discretion

Poor Health and Safety Outcomes

Healthy Choices

Management Decision Point

75%

Technological ("Nature of the Job")
Constraints on Organization of Work

0%

75%
Stress Risk: The Diligent Alternative
Choosing to Prevent the Harmful Consequences of Stress

(“Best Practice Model”)

Knowledge of Stress Risk

Foreseeability of Harm

(Short-Term Harm)

(Long-Term Harm)

Choice of Actions

Stress Risk Management
(The Diligent Alternative)

Risk Reduction
(Stress Abatement)

Health Promotion + Protection

Productivity + Competitive Advantage + Lower Costs

Stress Risk Management
(Issue Avoidance)

Risk Reduction
(Stress Abatement)

Health Disorders + Casualties

Inefficiency + Loss of Competitive Advantage + Higher Costs

Best Advice on Stress Risk Management in the Workplace
Stress and Ethics: A Summary

• Stress is often the product of choices that people make about how they will treat one another.

• Employers know, or ought to know, that when they impose excessive and unnecessary stress on employees they place them in harm’s way.

• Employers have a responsibility to avoid the imposition of excessive and unnecessary stress.

• It is the foreseeability and avoidability of harm that attracts responsibility for it.

• This ethical responsibility extends outside the walls of the workplace to embrace the community at large as well.

• This responsibility is fundamentally to do no harm. It is a “floor” standard for workplace health and safety.
Areas in Which Employee Participation Can Be Increased to Produce Mental and Physical Health Gains and to Reduce Costs

<table>
<thead>
<tr>
<th>Problems Related To</th>
<th>Making Decisions About</th>
</tr>
</thead>
<tbody>
<tr>
<td>space allocation</td>
<td><em>what</em> new technology to introduce</td>
</tr>
<tr>
<td>heating/cooling/ventilation</td>
<td><em>how</em> to introduce new technology</td>
</tr>
<tr>
<td>lighting</td>
<td>shift/time scheduling</td>
</tr>
<tr>
<td>design of workstations</td>
<td>re-organization</td>
</tr>
<tr>
<td>safety of operations</td>
<td>organization and design of day-to-day work</td>
</tr>
<tr>
<td>efficiency of operations</td>
<td></td>
</tr>
</tbody>
</table>
Partners in Stress Risk Management
A Combined Forces Approach to Stress Abatement

Senior Management and Union(s)

EFAP Committee(s)

“Combined Forces Steering Committee”

(Working Committee)

Health and Safety Committee(s)

Training

Work Force (All Levels) and Families

Education, Awareness

Culture + Practices

Best Advice on Stress Risk Management in the Workplace
Local Knowledge About Stress at Work

- workplace surveys, focus groups
- EFAP provider feedback
- WSIB aggregate reports
- analysis of grievances and arbitrations
- analysis of human rights complaints
- consensus ("everybody knows")
Tell Us What You Think

We would like to receive your feedback on this resource. Please assist us by answering the questions below and return your response to:

Workplace Health/Social Environment Unit
Healthy Environments and Consumer Safety Branch
Health Canada
123 Slater Street
Ottawa, Ontario
K1P 5H2

1. How relevant is this resource to your organization?
   Not relevant          Extremely relevant
   1                    2  3  4  5

2. How would you rate this resource?
   Useful                Not useful
   1                    2  3  4  5

3. Did you find the resource easy or difficult to use?
   Easy                  Difficult
   1                    2  3  4  5

4. Would you recommend this resource?

5. Comments

Thank you for providing your comments. Your input is valuable to us in helping to make this a useful resource for owners/managers of businesses and other interested individuals promoting workplace health.